GRUNDIG

NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLY

TV Service Manual

Chassis Digi 200 (G2)

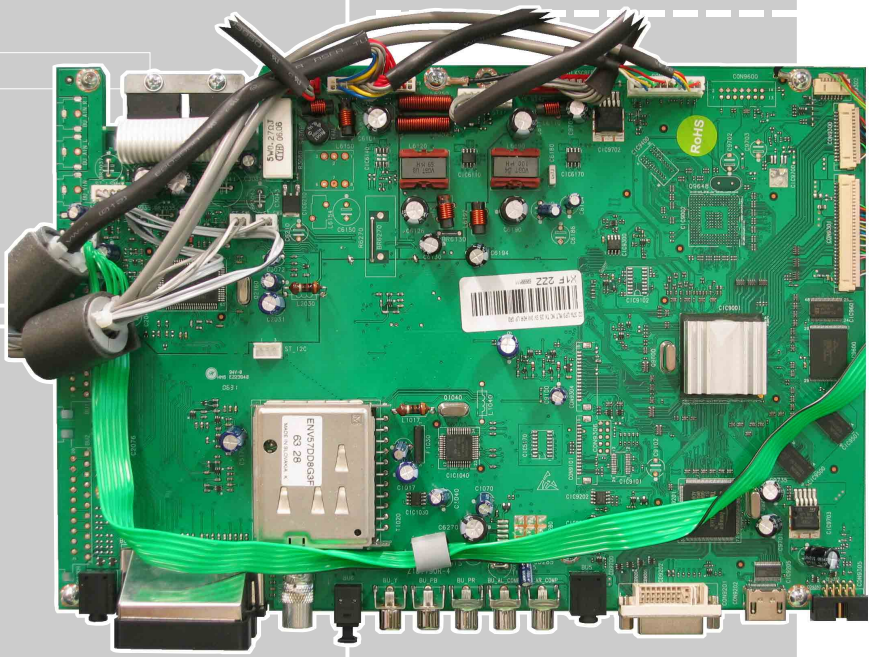
Fine Arts 37
LXW 94-9650 FHD GBE8400

Lenaro 37
LXW 94-8640 FHD GBD3000

Lenaro 42
LXW 110-8640 FHD GBG1700

Lenaro 42
LXW 110-8740 FHD GBF0900

Tharus 37
LXW 94-9745 FHD GBF5000



Zusätzlich erforderliche Unterlagen für den Komplettservice
Additionally required Service Documents for the Complete Service

Service Manual

Sicherheit
Safety

Materialnr./Part No.
720108000001

Materialnummer / Part Number 720100524000
Änderungen vorbehalten / Subject to alteration
TCC 0507 MP • Prepared in Germany
http://www.grundig.com

Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Materialnummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!

The regulations and safety instructions shall be valid as provided by the "Safety" Service Manual, part number 720108000001, as well as the respective national deviations.

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Allgemeiner Teil

Allgemeine Hinweise

Vor dem Öffnen des Gehäuses den Netzstecker ziehen!

Achtung: ESD-Vorschriften beachten

Leitungsverlegung
Bevor Sie die Leitungen und insbesondere die Masseleitungen lösen, muss die Leitungsverlegung zu den einzelnen Baugruppen beachtet werden.
Nach erfolgter Reparatur ist es notwendig, die Leitungsführung wieder in den werkseitigen Zustand zu versetzen um evtl. spätere Ausfälle oder Störungen zu vermeiden.

Durchführen von Messungen
Bei Messungen mit dem Oszilloskop an Halbleitern sollten Sie nur Tastköpfe mit 10:1 - Teiler verwenden. Außerdem ist zu beachten, dass nach vorheriger Messung mit AC-Kopplung der Koppelkondensator des Oszilloskops aufgeladen sein kann. Durch die Entladung über das Messobjekt können Bauteile beschädigt werden.

Messwerte und Oszillogramme
Bei den in den Schaltplänen und Oszillogrammen angegebenen Messwerten handelt es sich um Näherungswerte!

General Section

General Notes

Before opening the cabinet disconnect the mains plug!

Attention: Observe the ESD safety regulations

Wiring
Before disconnecting any leads and especially the earth connecting leads observe the way they are routed to the individual assemblies. On completion of the repairs the leads must be laid out as originally fitted at the factory to avoid later failures or disturbances.

Carrying out Measurements
When making measurements on semi-conductors with an oscilloscope, ensure that the test probe is set to 10:1 dividing factor. If the previous measurement was made on AC input, please note that the coupling capacitor in the oscilloscope will be charged. Discharge via the item being checked can damage the components.

Measured Values and Oscillograms
The measured values given in the circuit diagrams and oscillograms are approximates!

Geräte- und Display-Varianten

Je nach Verfügbarkeit werden Displays verschiedener Hersteller eingebaut. Dies führt zu unterschiedlichen Chassis-Bestückungen, sowie zu Änderungen in der Software. Bei Ersatzteilbestellungen und Software-Updates achten Sie bitte auf das eingebaute Display, sowie auf den "Product Code". Angaben dazu finden Sie auf der Geräterückseite. Sollte in der Ersatzteilliste des Service Manuals Ihr "Product Code" oder Ihre Display-Variante nicht aufgeführt sein, können Sie eine aktualisierte Version auf dem GRUNDIG Service-Portal "**http://service.grundig.de**" finden.

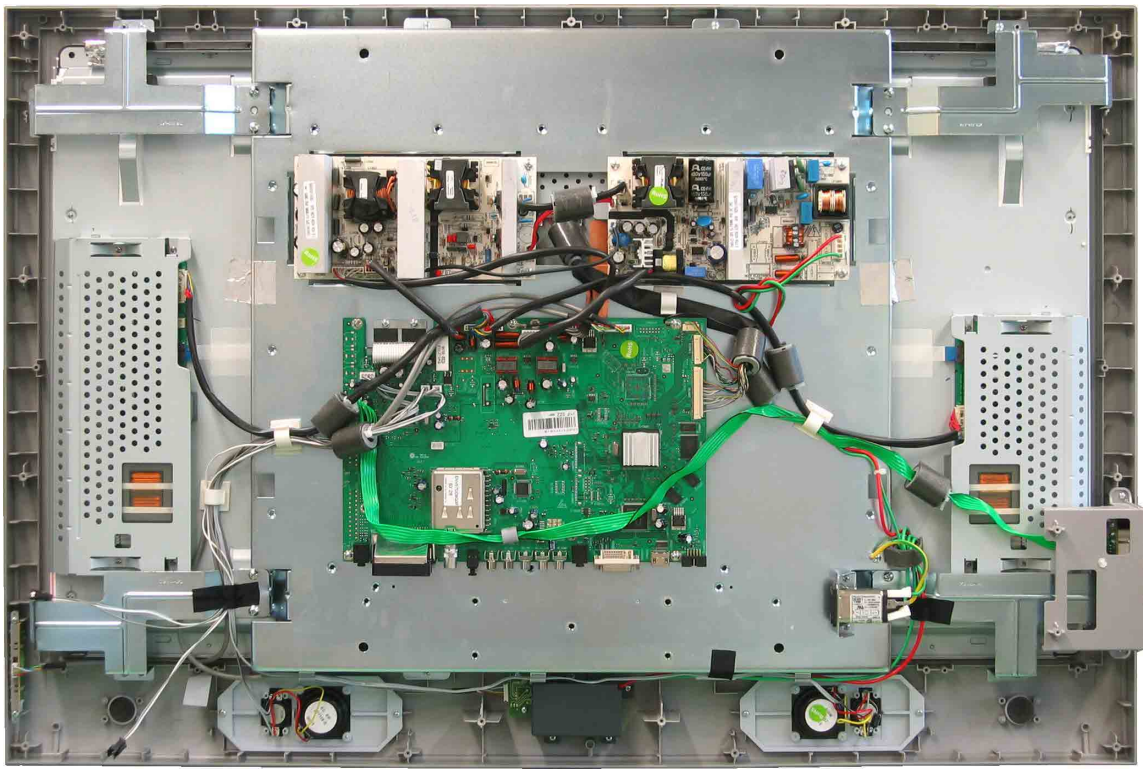
Überprüfen Sie vor Austausch der Hauptplatte, ob die Aufkleber der Platinen identisch sind.

GRUNDIG
Vision 32 LXW 82-8510 TOP
G. BD 34-00
WARNING
To prevent Fire or Shock Hazard DO NOT
Expose this Appliance to Rain or Moisture.
Always Remove Mains plug from wall socket
when not in use or before any service operation.
Never Remove Covers unless qualified to do so.
230V ~ 50Hz 140W
Chassis L6
Vision 32 LXW 82-8510 TOP
G5N00000000 SN 50802260
Product Code
06254508022604
MADE IN EUROPE
G5N 812-B1

Product and Display Variants

Depending on availability displays of different manufacturer are built in. This results in different chassis mountings as well as a different software. On spare parts orders as well as software updates take care of the fitted display as well as of the "Product Code". Therefore you can find information on the labels on the rear side. If your "Product Code" or display variant is not mentioned in the spare parts list of the service manual, please look for a current version at the GRUNDIG service portal "**http://service.grundig.de**".

Before changing the main board please check whether the labels on the boards are identical.



Technische Daten / Technical Data

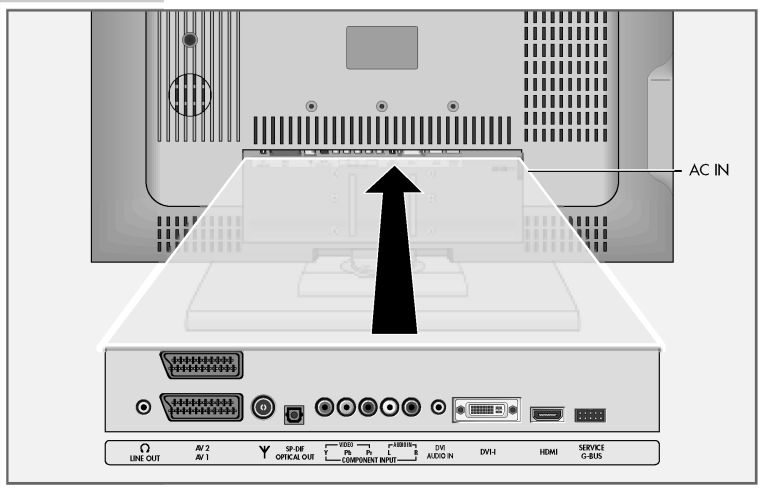
	Fine Arts 37 LXW 94-9650 FHD	Lenaro 37 LXW 94-8640 FHD	Lenaro 42 LXW 110-8640 FHD	Lenaro 42 LXW 110-8740 FHD	Tharus 37 LXW 94-9745 FHD
Order No.	G.BE 84-00	G.BD 30-00	G.BG 17-00	G.BF 09-00	G.BF 50-00
Supplier Code	BDV, EHT	AVL, BCA, BVX, EDA, EFK, SK4	BDS	BDS	BFM, EHQ
Destination	D,GB,F,I,NL,DK,N,S,FIN, E,PL,CZ,HR	D,GB,F,I,NL,DK,N,S,FIN, E,P,PL,CZ,H,HR Australia version: GB only	D,GB,F,I,NL,DK,N,S,FIN, E,P,PL,CZ,H,HR	D,GB,F,I,NL,DK,N,S,FIN, E,P,PL,CZ,H,HR	D,GB,F,I,NL,DK,N,S,FIN, E,PL
Approbations	CE,ME67	CE,I,C-TICK,ME67	CE,I,C-TICK,ME67	CE,I,C-TICK,ME67	CE,I,ME67
IM-Languages	D, CH, F, E, NL, Nordic, PL, H, HR, CZ, CIS	All NSOs	All NSOs	All NSOs	D, CH, F, E, NL, Nordic, PL, HR, CIS
Remote control	Personal Remote 100	TP 170 C	TP 170 C	TP 170 C	TP 170 C (black)
Article Code					
EAN	40 13833-60588 1	40 13833-60019 0	40 13833-61150 9	40 13833-60734 2	40 13833-60890 5
Color	silver	arta silver/titan glossy	arta silver/titan glossy	arta silver/titan glossy	black/silver
DISPLAY					
Panel	37" / 94cm Active Matrix TFT-LCD	37" / 94cm Active Matrix TFT-LCD	42" / 107cm Active Matrix TFT-LCD	42" / 107cm Active Matrix TFT-LCD	37" / 94cm Active Matrix TFT-LCD
Display-Manufacturer	LG-Philips (LC370WU1) - Super High IPS-Panel	LG-Philips (LC370WU1) - Super High IPS-Panel	LG-Philips (LC420WU2) - Super High IPS-Panel	LG-Philips (LC420WU2) - Super High IPS-Panel	LG-Philips (LC370WU1) - Super High IPS-Panel
16:9 wide-screen format	●	●	●	●	●
Response time.	ca. 8ms	ca. 8ms	ca. 5ms	ca. 5ms	ca. 8ms
Brightness	ca. 500cd/m2	ca. 500cd/m2	ca. 500cd/m2	ca. 500cd/m2	ca. 500cd/m2
Contrast ratio (Panel)	ca. 800:1	ca. 800:1	ca. 1.000:1	ca. 1.000:1	ca. 800:1
Dynamic contrast plus	ca. 2.600:1	ca. 2.600:1	ca. 2.600:1	ca. 2.600:1	ca. 2.600:1
Viewing angle vertical/horizontal ca.	176° / 176°	176° / 176°	178° / 178°	178° / 178°	176° / 176°
Physical display resolution max. pixel	WUXGA 1920 x 1080 (full HD)	WUXGA 1920 x 1080 (full HD)	WUXGA 1920 x 1080 (full HD)	WUXGA 1920 x 1080 (full HD)	WUXGA 1920 x 1080 (full HD)
PICTURE					
Digital Reference Plus II	●	●	●	●	●
Reference Plus	○	○	○	○	○
Motion Compensation	at frame rate 50Hz only	at frame rate 50Hz only from 02/2007 onwards	at frame rate 50Hz only	at frame rate 50Hz only	at frame rate 50Hz only
Motion Adaptive Deinterlacing	●	●	●	●	●
Natural view HD Reference	●	●	●	●	●
Full HD	●	●	●	●	●
Line Flicker Reduction	●	●	●	●	●
Digital Color Transition Improv. (DCTI)	●	●	●	●	●
Digital Combfilter	3D	3D	3D	3D	3D
Digital Luminance Trans. Improv. (DLTI)	●	●	●	●	●
Picture Noise Reduction (DNR)	●	●	●	●	●
CCS (Clear Color Screen)	○	○	○	○	○
Preset picture modes	Manual, Day, Night	Manual, Day, Night	Manual, Day, Night	Manual, Day, Night	Manual, Day, Night
Aspect ratios (Format switching)	Auto (WSS), 4:3 / 14:9 / 16:9 / Panorama / Cinema Zoom / Sky Top	Auto (WSS), 4:3 / 14:9 / 16:9 / Panorama / Cinema Zoom / Sky Top	Auto (WSS), 4:3 / 14:9 / 16:9 / Panorama / Cinema Zoom / Sky Top	Auto (WSS), 4:3 / 14:9 / 16:9 / Panorama / Cinema Zoom / Sky Top	Auto (WSS), 4:3 / 14:9 / 16:9 / Panorama / Cinema Zoom / Sky Top
Blackline detection	●	●	●	●	●
PIP	1 Tuner PIP, AV-PIP	1 Tuner PIP, AV-PIP	1 Tuner PIP, AV-PIP	1 Tuner PIP, AV-PIP	1 Tuner PIP, AV-PIP
Multifold Tuner scan (Mosaic Picture)	○	○	○	○	○
PAT: Split screen (Picture + Text)	●	●	●	●	●
PAP: Double Window (Picture + Picture)	○	○	○	○	○
P2AT: Double Window + TXT	○	○	○	○	○
POP: Picture on Picture	○	○	○	○	○
Picture freezing	●	●	●	●	●
Zoom with point function	○	○	○	○	○
Auto 16:9 selection via Scart	●	●	●	●	●
Sharpness control	●	●	●	●	●
Blue Background	●	●	●	●	●
CHASSIS					
TV-Chassis	G2 (Digi 200)	G2 (Digi 200)	G2 (Digi 200)	G2 (Digi 200)	G2 (Digi 200)
Progressive	●	●	●	●	●
Tuner	PLL frequency synthesizer tuning	PLL frequency synthesizer tuning	PLL frequency synthesizer tuning	PLL frequency synthesizer tuning	PLL frequency synthesizer tuning
µ-Processor	Integrated in VGC-B/32bit	Integrated in VGC-B/32bit	Integrated in VGC-B/32bit	Integrated in VGC-B/32bit	Integrated in VGC-B/32bit
Scaler	Integrated in VGC-B/32bit	Integrated in VGC-B/32bit	Integrated in VGC-B/32bit	Integrated in VGC-B/32bit	Integrated in VGC-B/32bit
Keyboard	○	6 keys menue, ± for programme, ± for volume, AV/TV	6 keys menue, ± for programme, ± for volume, AV/TV	6 keys menue, ± for programme, ± for volume, AV/TV	○
ELECTRONIC					
Stand by indicator	red/green LED	blue LED	blue LED	blue LED	red/green LED
EPG (Electronic Programme Guide)	○	○	○	○	○
Easy Dialog	●	●	●	●	●
Manual & autom. labeling of prog.	●	●	●	●	●
Programmable off timer	○	○	○	○	○
Programmable on timer	○	○	○	○	○
Intelligent channel search (Zapping funct.)	●	●	●	●	●
Programme Edit	●	●	●	●	●
Intelligent Programme Switch	●	●	●	●	●
Programme memory TV/AV (opt.)	99/7	99/7	99/7	99/7	99/7
Teletext/Fasttext/Toptext	● / ● / ●	● / ● / ●	● / ● / ●	● / ● / ●	● / ● / ●
Teletext options	2000 pages, Level 2.5	2000 pages, Level 2.5	2000 pages, Level 2.5	2000 pages, Level 2.5	2000 pages, Level 2.5
Childlock	●	●	●	●	●
Menue languages OSD	22 languages, D, GB, F, I, E, P, NL, HR, RUS, GR, DK, S, FIN, N, TR, PL, CZ, SK, SLO, H, RO, BG	22 languages, D, GB, F, I, E, P, NL, HR, RUS, GR, DK, S, FIN, N, TR, PL, CZ, SK, SLO, H, RO, BG	22 languages, D, GB, F, I, E, P, NL, HR, RUS, GR, DK, S, FIN, N, TR, PL, CZ, SK, SLO, H, RO, BG	22 languages, D, GB, F, I, E, P, NL, HR, RUS, GR, DK, S, FIN, N, TR, PL, CZ, SK, SLO, H, RO, BG	22 languages, D, GB, F, I, E, P, NL, HR, RUS, GR, DK, S, FIN, N, TR, PL, CZ, SK, SLO, H, RO, BG
OSD-style	Grundig-style	Grundig-style	Grundig-style	Grundig-style	Grundig-style
SWAP (Recall function)	●	●	●	●	●
Service mode	●	●	●	●	●
Hotel mode	○	○	○	○	○
TUNING					
Autom. Tuning Sys. w. country selection	full automatic sorting	full automatic sorting	full automatic sorting	full automatic sorting	full automatic sorting
Frequency Based Auto Search	●	●	●	●	●
Automatic Micro-search	●	●	●	●	●
Automatic Programming	●	●	●	●	●
Manual fine tuning	●	●	●	●	●
Direct channel selection	●	●	●	●	●
Direct frequency selection	○	○	○	○	○
PAL/SECAM/BG/DK/I/L'/L	●	●	●	●	●
NTSC-Playback via Scart (3,58/4,43)	●	●	●	●	●
PAL M/N, NTSC M	only via Scart	only via Scart	only via Scart	only via Scart	only via Scart
Cable TV / Hyperband (S1-S41)	●	●	●	●	●

	Fine Arts 37 LXW 94-9650 FHD	Lenaro 37 LXW 94-8640 FHD	Lenaro 42 LXW 110-8640 FHD	Lenaro 42 LXW 110-8740 FHD	Tharus 37 LXW 94-9745 FHD
AUDIO					
Mono/Stereo/Nicam	● / ● / ●	● / ● / ●	● / ● / ●	● / ● / ●	● / ● / ●
AV Stereo	●	●	●	●	●
Loudspeaker	2 high-middle loudspeaker and 1 bass loudspeaker	2 high-middle loudspeaker and 2 bass loudspeaker	2 high-middle loudspeaker and 2 bass loudspeaker	2 high-middle loudspeaker and 2 bass loudspeaker	2 high-middle loudspeaker and 1 bass loudspeaker
Virtual Dolby	●	●	●	●	●
Magic Fidelity Sound System	●	●	●	●	●
Matched Sound Delay (Lip synchronous)	●	●	●	●	●
Subwoofer	●	●	●	●	●
Dynamic Bass	○	○	○	○	○
DSP (Digital Sound Processor)	MSP	MSP	MSP	MSP	MSP
Balance Adjustment	●	●	●	●	●
AVL (Audio Volume Level)	●	●	●	●	●
PIP listening via Headphone.jack	○	○	○	○	○
Equalizer	7 Band	7 Band	7 Band	7 Band	7 Band
Space Sound Effect	●	●	●	●	●
Audio mode	music, speech, manual	music, speech, manual	music, speech, manual	music, speech, manual	music, speech, manual
Audio amplifier	2 x 6/10W (R/L) 12/20W (SW) nominal/music power	2 x 6/10W (R/L) 12/20W (SW) nominal/music power	2 x 6/10W (R/L) 12/20W (SW) nominal/music power	2 x 6/10W (R/L) 12/20W (SW) nominal/music power	2 x 6/10W (R/L) 12/20W (SW) nominal/music power
DVB reception					
DVB-T/S/C	Retrofitting possible via Scart socket DVB-T: DTR 1560 Micro DVB-S: DSR 1650 Micro DVB-C: DCB 1680 Micro	Retrofitting possible via Scart socket DVB-T: DTR 1560 Micro DVB-S: DSR 1650 Micro DVB-C: DCB 1680 Micro	Retrofitting possible via Scart socket DVB-T: DTR 1560 Micro DVB-S: DSR 1650 Micro DVB-C: DCB 1680 Micro	Retrofitting possible via Scart socket DVB-T: DTR 1560 Micro DVB-S: DSR 1650 Micro DVB-C: DCB 1680 Micro	Retrofitting possible via Scart socket DVB-T: DTR 1560 Micro DVB-S: DSR 1650 Micro DVB-C: DCB 1680 Micro
POWER SUPPLY / CABINET					
Power voltage	230V~, 50/60Hz	230V~, 50/60Hz	230V~, 50/60Hz	230V~, 50/60Hz	230V~, 50/60Hz
Range of regulation	190-264V, 50/60Hz, in accordance to IEC 65	190-264V, 50/60Hz, in accordance to IEC 65	190-264V, 50/60Hz, in accordance to IEC 65	190-264V, 50/60Hz, in accordance to IEC 65	190-264V, 50/60Hz, in accordance to IEC 65
Power switch	● (rear side)	●	●	●	● (rear side)
Integrated supply	●	●	●	●	●
Plug-in AC adaptor	○	○	○	○	○
Power consumption	171W, standby <2W in accordance to IEC 62087-2002	167W, standby <2W in accordance to IEC 62087-2002	230W, standby <2W in accordance to IEC 62087-2002	230W, standby <2W in accordance to IEC 62087-2002	171W, standby <2W in accordance to IEC 62087-2002
Cabinet (WxHxD) /Weight	98,5 x 73,3 x 11,3cm 30cm with stand approx. 32,8kg	96,3 x 70,7 x 14,0cm 27,5cm with stand approx. 29kg	108,2 x 80,7 x 12,3cm 33cm with stand approx. 31,1kg	108,2 x 80,7 x 12,3cm 33cm with stand approx. 31,1kg	98,5 x 73,3 x 11,3cm 30cm with stand approx. 32,8kg
FRONT PANEL CONNECTIONS					
Headphones	○	○	○	○	○
Cinch-AV socket	○	3 x Cinch - Video in Audio in L/R (side)	3 x Cinch - Video in Audio in L/R (side)	3 x Cinch - Video in Audio in L/R (side)	○
S-Video	○	Hosiden (side)	Hosiden (side)	Hosiden (side)	○
REAR PANEL CONNECTIONS					
Euro-AV-Socket AV1	CVBS in-/output, RGB input	CVBS in-/output, RGB input	CVBS in-/output, RGB input	CVBS in-/output, RGB input	CVBS in-/output, RGB input
Euro-AV Socket AV2	CVBS in-/output, RGB input	CVBS in-/output, RGB input	CVBS in-/output, RGB input	CVBS in-/output, RGB input	CVBS in-/output, RGB input
Euro-AV Socket AV3	○	○	○	○	○
S-Video	Hosiden	○	○	○	Hosiden
Camera-AV	3x Cinch socket in	○	○	○	3x Cinch socket in
Wireless	○	○	○	○	○
YUV input / progressive	Video-in: 3 x Cinch Audio-in: 2 x Cinch	Video-in: 3 x Cinch Audio-in: 2 x Cinch	Video-in: 3 x Cinch Audio-in: 2 x Cinch	Video-in: 3 x Cinch Audio-in: 2 x Cinch	Video-in: 3 x Cinch Audio-in: 2 x Cinch
PC-input	analogue RGB via DVI-I SubD15 adapter	analogue RGB via DVI-I SubD15 adapter	analogue RGB via DVI-I SubD15 adapter	analogue RGB via DVI-I SubD15 adapter	analogue RGB via DVI-I SubD15 adapter
PC-Audio in	3.5mm jack Stereo	3.5mm jack Stereo	3.5mm jack Stereo	3.5mm jack Stereo	3.5mm jack Stereo
DVI	DVI-I	DVI-I	DVI-I	DVI-I	DVI-I
HDMI	2x / 2nd HDMI via DVI-I / HDMI adapter	2x / 2nd HDMI via DVI-I / HDMI adapter	2x / 2nd HDMI via DVI-I / HDMI adapter	2x / 2nd HDMI via DVI-I / HDMI adapter	2x / 2nd HDMI via DVI-I / HDMI adapter
HD ready including HDCP	DVI / HDMI	DVI / HDMI	DVI / HDMI	DVI / HDMI	DVI / HDMI
Loudspeaker socket	○	○	○	○	○
Headphones	3.5mm jack	3.5mm jack	3.5mm jack	3.5mm jack	3.5mm jack
Digital Audio out optical (SPDIF)	PCM	PCM	PCM	PCM	PCM
Audio out	via headphone jack and equalizer function	via headphone jack and equalizer function	via headphone jack and equalizer function	via headphone jack and equalizer function	via headphone jack and equalizer function
Antenna for terestrial reception	1 x Coaxial-socket for TV-tuner-in, according to DIN 45325	1 x Coaxial-socket for TV-tuner-in, according to DIN 45325	1 x Coaxial-socket for TV-tuner-in, according to DIN 45325	1 x Coaxial-socket for TV-tuner-in, according to DIN 45325	1 x Coaxial-socket for TV-tuner-in, according to DIN 45325
DC-connector	○	○	○	○	○
Power supply plug	Power cord plug-in type	Power cord plug-in type	Power cord plug-in type	Power cord plug-in type	Power cord plug-in type
SUPPLIED ACCESSORIES					
Remote control (incl. battery)	Personal Remote 100	TP 170 C arta silver	TP 170 C arta silver	TP 170 C arta silver	TP 170 C black
Power cord	● (grounded)	● (grounded); Australia version: Australia power cord	● (grounded)	● (grounded)	● (grounded); Australia version: Australia power cord
Cables	DVI/HDMI adapter cable, G2-microsat cable	DVI/HDMI adapter cable, G2-microsat cable	DVI/HDMI adapter cable, G2-microsat cable	DVI/HDMI adapter cable, G2-microsat cable	DVI/HDMI adapter cable, G2-microsat cable
Instruction manual	●	Book 1: D, GB, F, I, NL Book 2: DK, N, S, FIN, E, P Book 3: PL, CZ, H, HR	Book 1: D, GB, F, I, NL Book 2: DK, N, S, FIN, E, P Book 3: PL, CZ, H, HR	Book 1: D, GB, F, I, N Book 2: DK, N, S, FIN, E, P Book 3: PL, CZ, H, HR	●
Circuit diagram	○	●	●	●	○
Wall fixture	LCD 4037 Wall mounting - GBF0100 - not included in delivery	Prepared for VESA stan- dard adaptor 200 x 200	Prepared for VESA stan- dard adaptor 200 x 200	Prepared for VESA stan- dard adaptor 200 x 200	Prepared for VESA stan- dard adaptor 200 x 200
Warning sticker in rear panel	●	●	●	●	●
Stand	●	swivel type	swivel type	glass swivel type	●

Bedienhinweise Dieses Kapitel enthält Auszüge aus der Bedienungsanleitung.
Weitergehende Informationen entnehmen Sie bitte der gerätespezifischen Bedienungsanleitung, deren Materialnummer Sie in der entsprechenden Ersatzteilliste finden.

AUF EINEN BLICK

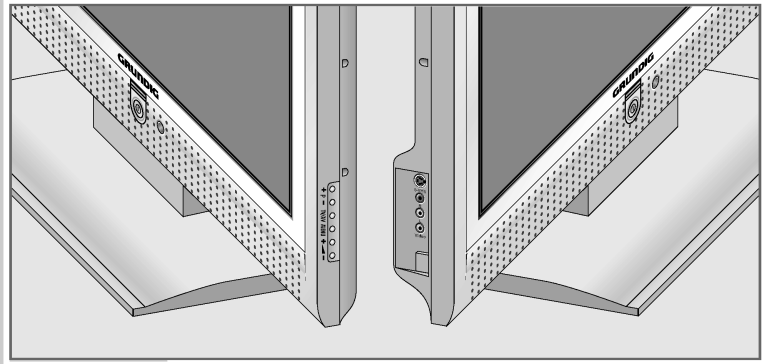
Die Anschlüsse des Fernsehgerätes



∩ LINE OUT	Kopfhörerbuchse/Tonsignal-Ausgang.
AV 2	Euro/AV-Buchse (FBAS-Signal, RGB-Signal, Y/C-Signal).
AV 1	Euro/AV-Buchse (FBAS-Signal, RGB-Signal, Y/C-Signal).
Y	Antennenbuchse.
SP-DIF OPTICAL OUT	Tonsignal-Ausgang für PCM-Signale; zum Anschließen eines digitalen Mehrkanal-Audio-/Videoverstärkers oder AV-Receivers.
COMPONENT INPUT	
VIDEO Y Pb Pr	Bildsignal-Eingang (YUV-Signal).
AUDIO IN L R	Tonsignal-Eingang (YUV-Signal, DVI-Signal).
DVI AUDIO IN	Tonsignal-Eingang (DVI-Signal).
DVI-I	DVI-I-Buchse, Bildsignal-Eingang (DVI-Signal).
HDMI	HDMI-Buchse, Ton-/Bildsignal-Eingang (HDMI).
SERVICE G-BUS	Servicebuchse für den Fachhändler. Steuerung externer Module (DVB-T, DVB-S).
AC IN	Buchse für das Netzkabel.

AUF EINEN BLICK

Die Bedienelemente des Fernsehgerätes



⏻	Netzschalter, schaltet das Gerät in den Betriebszustand Stand-by und wieder aus.
+ P -	Schalten das Fernsehgerät aus Stand-by ein; schrittweise Programmwahl; wählen Funktion im Menü.
TV/AV	Ruft die »Programmtabelle« auf. Anwahl im Menü mit »**+ P** « oder »**P –**«, bestätigen mit »**TV/AV**«; Menü mit »**MENU**« abschalten; aktiviert verschiedene Funktionen.
MENU	Ruft das Menü »EASY DIALOG« (Hauptmenü) auf; Menüzeile mit »**+ P -**« anwählen; Funktion mit »**TV/AV**« aktivieren; Funktion mit »+ ◢ -« einstellen; Menü mit »**MENU**« abschalten.
+ ◢ -	Verändern die Lautstärke; wählen Funktion im Menü.
S-VHS	Bildsignaleingang für S-Video-Camerarecorder.
R L	Tonsignaleingang für Camerarecorder.
Video	Bildsignaleingang für Camerarecorder.

AUF EINEN BLICK

Die Fernbedienung (Fernsehbetrieb)

⏻	Schaltet das Fernsehgerät ab (Stand-by).
1...0	Schaltet das Fernsehgerät aus Stand-by ein; wählt Programme direkt.
?	Ruft Erklärungen zur gewählten Funktion auf.
▭	Ruft das Menü »Format« auf. Anwahl danach mit **P+** oder **P-** .
PIP	Blendet ein Kleinbild ein; schaltet zurück zum Normalbild.
AV	Ruft die Vorauswahl für AV-Programmplätze auf. Anwahl danach mit **P+** oder **P-** .
🔇	Ton ein/aus (stummschalten).
i	Ruft das Menü »EASY DIALOG« auf.
Z	Zapp-Funktion.
P+, P-	Schalten das Fernsehgerät aus Stand-by ein; wählen Programme schrittweise; bewegen Cursor nach oben/unten.
◀ ▶	Ändern die Lautstärke; bewegen Cursor nach links/rechts.
OK	Ruft die Programmtabelle auf; aktiviert verschiedene Funktionen.
TXT	Schaltet um zwischen Videotext-Betrieb und TV-Betrieb.
TV-G	Taste ohne Funktion.
👁	Ruft das Menü »Bild« auf.
🕘	Blendet Uhrzeit und Programmplatzinformation ein/aus.
▯▯	Standbild.
👂	Ruft das Menü »Ton« auf.

AUF EINEN BLICK

SCAN	Funktion im Videotextbetrieb.
PAT	Wählt die Funktion Split Screen.
S	Funktion im Videotextbetrieb.
P	Funktion im Videotextbetrieb.
DR, DVD	Schaltet auf die Bedienung eines GRUNDIG Digital-Receivers, GRUNDIG Digital-Receivers mit Festplatte (PDR), GRUNDIG DVD-Players oder GRUNDIG DVD-Recorders. Entsprechende Taste (»**DR**«, »**DVD**«) gedrückt halten. Anschließend gewünschte Taste drücken. **Hinweis:** Die Taste »**DR**« ist für die Bedienung eines GRUNDIG Digital-Receivers (Fernbedienebene 1) vorprogrammiert. Die Taste »**DVD**« ist für die Bedienung eines GRUNDIG DVD-Players vorprogrammiert. Die Vorprogrammierung können Sie verändern, siehe Taste »**AUX**«. Welche Funktionen Sie ausführen können, hängt von der Ausstattung des Gerätes ab. Probieren Sie es einfach aus.
AUX	Fernbedienung für die Bedienung externer Geräte programmieren. »**AUX**« drücken und gedrückt halten und gleichzeitig die drei Zifferntasten des entsprechenden Codes drücken: »**1**«, »**2**«, »**3**« für GRUNDIG DVD-Player. »**4**«, »**5**«, »**6**« für GRUNDIG DVD-Recorder. »**1**«, »**4**«, »**7**« für GRUNDIG Digital-Receiver (Fernbedienebene 1). »**2**«, »**5**«, »**8**« für GRUNDIG Digital-Receiver (Fernbedienebene 2). »**3**«, »**6**«, »**9**« für GRUNDIG Digital-Receiver mit Festplatte (PDR).

AUF EINEN BLICK

Die Fernbedienung (Videotextbetrieb)

1 ... 0	Eingabe der Videotext-Seitennummern.
	Schaltet auf doppelte Zeichengröße.
i	Ruft die Seite 100 auf.
P+	Blättert zur nächsten Seite.
P-	Blättert eine Seite zurück.
TXT	Schaltet um zwischen Videotext-Betrieb und TV-Betrieb.
(rot)	Blättert eine Seite zurück.
(grün)	Blättert zur nächsten Seite.
(gelb)	Wählt nächstes Kapitel.
(blau)	Wählt nächstes Thema.
SCAN	Aktuellbetrieb.
S	Ruft die Funktion Unterseiten auf.
P	Seitenstopp.
?	Antwortfreigabe.

EASY DIALOG SYSTEM

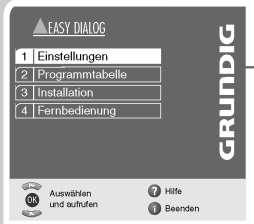
Die interaktive Bedienungsanleitung »Easy Dialog System«

Ihr Fernsehgerät ist mit der interaktiven Bedienungsanleitung »Easy Dialog System« ausgestattet.

Die vielfältigen Möglichkeiten, sowie Einstellungen und Bedienung des Fernsehgerätes werden mit dieser interaktiven Bedienungsanleitung durch Menütafeln, Benutzerführung und Hilfefunktion gezeigt.

Die gedruckte Bedienungsanleitung dient nur zur Erstinstallation, sowie zur allgemeinen Übersicht und ist deshalb sehr kurz gehalten.

So funktioniert das »Easy Dialog System«



Das Hauptmenü »Easy Dialog« ist die Steuerzentrale Ihres Fernsehgerätes.

Dieses Hauptmenü ist das Inhaltsverzeichnis des »Easy Dialog Systems«.
Es wird mit »**i** « aufgerufen.

Die einzelnen Menüpunkte werden direkt mit »**1 ... 0** « aufgerufen oder
schrittweise mit »**P +**«, »**P -**« gewählt und mit »**OK**« bestätigt.

Die Benutzerführung im unteren Teil der Menütafeln zeigen Ihnen an, mit welchen Tasten bestimmte Funktionen ausgeführt werden.

Wünschen Sie zur gewählten Funktion eine Erklärung, drücken Sie einfach »**?**«.

Sie haben aus Versehen den falschen Menüpunkt gewählt? Kein Problem, mit »?« schalten Sie wieder eine Tafel zurück.

Haben Sie alle Einstellungen durchgeführt, oder sind Sie mit dem „lesen" in der interaktiven Bedienungsanleitung fertig, schalten Sie mit »**i** « zum Fernsehbetrieb zurück.

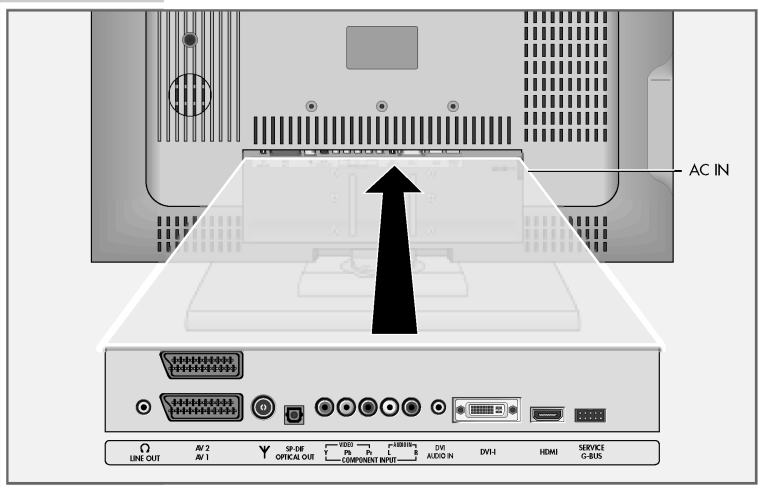
Probieren Sie es einfach aus. Sie können nichts falsch machen.

Operating Hints

This chapter contains excerpts from the operating instructions.
For further particulars please refer to the appropriate user instructions the part number of which is indicated in the relevant spare parts list.

OVERVIEW

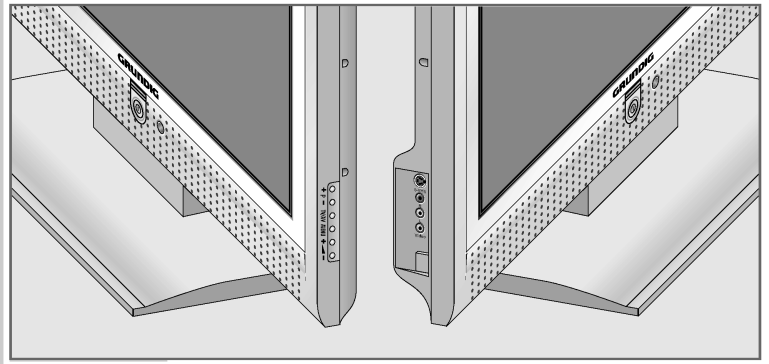
Connections on the television set



∩ LINE OUT	Headphone socket/audio output.
AV 2	SCART socket (FBAS-Signal, RGB-Signal, Y/C-Signal).
AV 1	SCART socket (FBAS-Signal, RGB-Signal, Y/C-Signal).
Y	Antenna socket.
SP-DIF OPTICAL OUT	Audio output for PCM signals; for connecting a digital multi-channel audio/video amplifier or AV receiver.
COMPONENT INPUT	
VIDEO Y Pb Pr	Video input (YUV signal).
AUDIO IN L R	Audio input (YUV signal, DVI signal).
DVI AUDIO IN	Audio input (DVI signal).
DVI-I	DVI-I socket, video input (DVI signal).
HDMI	HDMI socket, audio/video input (HDMI).
SERVICE G-BUS	Service socket for dealers. Controlling external modules (DVB-T, DVB-S).
AC IN	Power cord socket.

OVERVIEW

Controls on the television set



⏻	Power switch, switches the device to standby mode and off again.
+ P -	Switch the television on from standby. Channel selection. Select a function in the menu.
TV/AV	Opens the channel list. Select in the menu using »**+ P** « or »**P -**«, press »**TV/AV**« to confirm; close the menu with »**MENU**«; activates various functions.
MENU	Opens the »EASY DIALOG« (Main menu) menu. Press »**+ P -**« to select an item. Press »**TV/AV**« to activate a function. Press »**+ ◢ -**« to set the function. Press »**MENU**« to exit the menu.
+ ◢ -	Adjust the volume. Select menu functions.
S-VHS	Video output for S-Video camcorder.
R L	Audio input for camcorder.
Video	Video input for camcorder.

OVERVIEW

The remote control (TV mode)

⏻	Switches the television off (standby).
1...0	Switches the television on from standby mode. Selects channels directly.
?	Calls up information on the selected function.
▭	Opens the »Format« menu. Then use **P+** or **P-** to make the selection.
PIP	Displays an inset picture. Returns to normal picture.
AV	Opens the pre-selection for AV channels. Then selection with **P+** or **P-**.
🔇	Sound on/off (mute).
i	Opens the »EASY DIALOG« menu.
Z	Zapping function.
P+, P-	Switch the television on from standby. Select channels step by step. Move the cursor in the menus up and down.
◀ ▶	Adjust the volume. Move the cursor left/right.
OK	Opens the channel list. Activates various functions.
TXT	Switches between teletext and TV modes.
TV-G	This button has no function.
👁	Opens the »Picture« menu.
🕘	Shows/hides the time and preset information.
▯▯	Freeze-frame.
👂	Opens the »Sound« menu.

SCAN	Functions in teletext mode.
PAT	Selects the split screen function.
S	Functions in teletext mode.
P	Functions in teletext mode.
DR, DVD	Switches to operation of a GRUNDIG digital receiver, GRUNDIG digital receiver with hard disk (PDR), GRUNDIG DVD players or GRUNDIG DVD recorder. Keep the appropriate button (»**DR**«, »**DVD**«) pressed down. Then press the button. **Note:** The »**DR**« button has been programmed for operating a GRUNDIG digital receiver (remote control level 1). The »**DVD**« button has been programmed for operating a GRUNDIG DVD player. You can change this programming, see »**AUX**« button. The functions available depend on the model of the device you are using. Just try it out.
AUX	Programming the remote control for the operation of external devices. Press »**AUX**« and hold it down and press three number buttons to enter the code: »**1**«, »**2**«, »**3**« for a GRUNDIG DVD player. »**4**«, »**5**«, »**6**« for a GRUNDIG DVD recorder. »**1**«, »**4**«, »**7**« for a GRUNDIG digital receiver (remote control level 1). »**2**«, »**5**«, »**8**« for a GRUNDIG digital receiver (remote control level 2). »**3**«, »**6**«, »**9**« for a GRUNDIG digital receiver with a hard disc (PDR).

OVERVIEW

The remote control (teletext mode)

1 ... 0	Enter teletext page numbers.
	Switches to double character height.
i	Opens page 100.
P+	Scrolls to the next page.
P-	Scrolls back a page.
TXT	Switches between teletext and TV modes.
(red)	Scrolls back a page.
(green)	Scrolls to the next page.
(yellow)	Selects the next chapter.
(Blue)	Selects the next topic.
SCAN	Overriding wait time.
S	Calling up a sub-page directly.
P	Page stop.
?	Reveal answer.

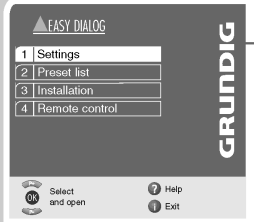
EASY DIALOG SYSTEM

»Easy Dialog System« – the interactive operating manual

Your television features the »Easy Dialog System« – a kind of interactive operating manual.

This interactive operating manual has menus, a user guide and a help function to show you how to operate the television and the many numerous feature it offers.

The printed operating manual only shows you how to set up the television and provides a general overview, and is therefore very concise.



How the »Easy Dialog System« works

The main »Easy Dialog« menu is your television's control centre.

This main menu is the contents page of the »Easy Dialog Systems«. Press »**i** « to open it.

You can select each menu item directly by pressing »**1...0** «. Alternatively you can select by pressing »**P +**«, »**P -**« and then »**OK**« to confirm.

The user guide at the bottom of the menus shows you what functions each button performs.

If you want an explanation of a function, just press »**?**«.

What happens if you accidentally select the wrong menu item? No problem – just press »↶« to return to the previous menu.

Once you have made all your settings or have finished reading the interactive operating manual, press »**i** « to return to TV mode.

Just try it out. You can't go wrong.

Service- und Sonderfunktionen

Aufruf des Service-Menüs:	Taste " i " (EASY DIALOG)
Aufruf der Dialogzeile:	Tasten "**P+**" / "**P-**" –> "**OK**"
Einstellung in der Dialogzeile ändern:	Tasten " ◀ " / " ▶ " –> "**OK**"
Zurück ins vorherige Menü:	"**blaue**" Taste
Beenden des Menüs:	Taste " i "
Servicemenü für Händler (Codezahl):	"**8500**"

1. Einschaltfunktionen

1.1 Programmsperre (Kindersicherung)
Die Tastenfolge "7038580" hebt die persönliche Kennzahl auf.

1.2 Software-Versionsnummer
Das Menü "EASY DIALOG" aufrufen. Durch Betätigen der "grünen" Taste wird die Software-Versionsnummer angezeigt.

1.3 Flashprogrammierung
Den letzten Stand der Software sowie die Programmier-Anleitung finden Sie im Service Portal "**http://service.grundig.de**" –> "**Softwaredownload**" –> Suchbegriff (Geräte-Bestellnummer) –> "**Tip**".

1.4 Direkte Display-Typ-Einstellung (ab Software 11)
Ist die Menüdarstellung auf Grund falscher Display-Typ-Einstellung nicht mehr möglich, können Sie mit "Short-cuts" die korrekte Einstellung vornehmen.
Vor und nach der Direkteingabe muss das Gerät aus- und wieder eingeschaltet werden!
Nach 20s mit den Tasten " i ", "P" und der 2-stelligen Zahl den gewünschten Display-Typ gemäß Display-Label einstellen.
Folgende Ziffern sind den jeweiligen Display-Typen zugeordnet:

00	LPL	LC320W01-SL01
01	AUO	T315XW01 V2
02	LPL	LC370WU1-SL01 (Default)
03	CMO	V370H1-L0A
04	LPL	LC420WU2
05	LPL	LC260WX2-SLB2

Gerät aus- und wieder einschalten.

2. Sonderfunktionen im Menü "Installation"

2.1 "Tonskala" sichtbar oder unsichtbar für alle Programme
Das Menü "Tonskala" über "EASY DIALOG" –> "Installation" –> "Sonderfunktionen" aufrufen.
Bei "aus" erscheint keine Balkenanzeige für die Lautstärke.

2.2 Einschalten mit Programm "1" oder "automatisch"
Das Menü "Einschalten" über "EASY DIALOG" –> "Installation" –> "Sonderfunktionen" aufrufen.
Auf "Programmplatz 1" oder "automatisch" stellen.
Bei "automatisch" wird der beim Ausschalten eingestellte Programmplatz beim Einschalten wieder aufgerufen (Last station memory).

2.3 Statusanzeige
Das Menü "Statusanzeige" über "EASY DIALOG" –> "Installation" –> "Sonderfunktionen" aufrufen.
Sie können wählen an welcher Position ("oben" oder "unten") die Information über Tonart und Bildformat eingeblendet wird.

2.4 PIP-Position
Das Menü "PIP-Position" über "EASY DIALOG" –> "Installation" –> "Sonderfunktionen" aufrufen.
Sie können wählen an welcher Position ("links" oder "rechts") das PIP-Bild eingeblendet wird. Die PIP-Position oben oder unten ist abhängig von der Position der Statusanzeige, d.h. ist die Statusanzeige unten, dann ist das PIP-Bild oben.

2.5 Automatische Lautstärke
Das Menü "Autom. Lautstärke" über "EASY DIALOG" –> "Installation" –> "Sonderfunktionen" aufrufen.
In Stellung "ein" regelt der Ton-IC bei erhöhter Senderlautstärke (z. B. erhöhter HUB bei der Werbung) die Lautstärke intern auf den normalen Wert zurück.

2.6 Farbdeckung
Das Menü "Farbdeckung" über "EASY DIALOG" –> "Installation" –> "Sonderfunktionen" aufrufen.
Die Farbdeckung (Luma-Delay) ist mit den Tasten ◀ / ▶ einstellbar.

2.7 Bildformat Automatik
Das Menü "Bildformat Automatik" über "EASY DIALOG" –> "Installation" –> "Sonderfunktionen" aufrufen.
Sie können wählen, welches Bildformat (4:3, Panorama Zoom, 14:9, 16:9, Cinema Zoom oder Sky Top) bei Sendungen ohne "Letterbox" und ohne übertragener WSS-Info (Wide Screen Signalling) bei aktivierter Bildformat-Automatik dargestellt wird.

2.8 Menütransparenz
Das Menü "Menütransparenz" über "EASY DIALOG" –> "Installation" –> "Sonderfunktionen" aufrufen.
Die Menütransparenz ist mit den Tasten ◀ / ▶ einstellbar.

3. Service-Einstellungen für den Fachhandel

3.1 Bildeinstellungen

3.1.1 Weißabgleich
Bevor Sie den Weißabgleich im "Servicemenü für Händler" durchführen, sind folgende Vorbereitungen erforderlich:
- Grautreppe mit Burst einspeisen.
- Bildeinstellungen aufrufen durch Betätigen der "roten" Taste:
  - Helligkeit: Mittelwert
  - Kontrast: Maximum
  - Farbstärke: Mittelwert
  - Weißabgleich: Mittenstellung

Das Menü "Weißabgleich" über "EASY DIALOG" –> "Installation" –> "Servicemenü für Händler" –> "8500" –> "Bildeinstellungen" aufrufen.
Die Werte für **rot, grün** und **blau** so einstellen, dass das Bild unbunt wird.

3.1.2 Blauen Bildschirmhintergrund ein/ausschalten
Das Menü "Blauer Bildschirm" über "EASY DIALOG" –> "Installation" –> "Servicemenü für Händler" –> "8500" –> "Bildeinstellungen" aufrufen.
Auf "ein" oder "aus" stellen.

3.2 Hardware-Ausstattung

3.2.1 Displaytyp
Das Menü "Displaytyp" über "EASY DIALOG" –> "Installation" –> "Servicemenü für Händler" –> Kennzahl "8500" –> "Hardware-Ausstattung" aufrufen.
Displaytyp gemäß Typenschild des Displays einstellen.

3.2.2 Soundtyp
Das Menü "Soundtyp" über "EASY DIALOG" –> "Installation" –> "Servicemenü für Händler" –> Kennzahl "8500" –> "Hardware-Ausstattung" aufrufen.
Soundtyp entsprechend der Tabelle Hardware-Ausstattung einstellen.

3.2.3 Front LED
Das Menü "Front-LED" über "EASY DIALOG" –> "Installation" –> "Servicemenü für Händler" –> Kennzahl "8500" –> "Hardware-Ausstattung" aufrufen.
Front LED entsprechend der Tabelle Hardware-Ausstattung einstellen.

3.2.4 Anschlussplan
Das Menü "Front-LED" über "EASY DIALOG" –> "Installation" –> "Servicemenü für Händler" –> Kennzahl "8500" –> "Hardware-Ausstattung" aufrufen.
Anschlussplan entsprechend der Tabelle Hardware-Ausstattung einstellen.

3.2.5 Tabelle Hardware-Ausstattung

	Vision+ 26	Vision+ 32	Lenaro 37	Fine Arts 37	Lenaro 42	Fine Arts 42
Soundtyp	Typ 6	Typ 5	Typ 2	Typ 1	Typ 3	Typ 4
Front LED	Typ 1	Typ 1	Typ 1	Typ 2	Typ 1	Typ 2
Anschlussplan	Typ 3	Typ 3	Typ 1	Typ 2	Typ 1	Typ 2

3.3 Sonderfunktionen

3.3.1 AGC-Einstellung
Das Menü "AGC-Einstellung" über "EASY DIALOG" –> "Installation" –> "Servicemenü für Händler" –> Kennzahl "8500" –> "Sonderfunktionen" aufrufen.
Die Werkeinstellung ist 5 Schritte vom linken Rand entfernt.

3.3.2 Hintergrundbeleuchtung
Das Menü "Backlight Dimming" über "EASY DIALOG" –> "Installation" –> "Servicemenü für Händler" –> Kennzahl "8500" –> "Sonderfunktionen" aufrufen.
Die Helligkeit der Hintergrundbeleuchtung ist mit den Tasten ◄ / ► einstellbar.

3.3.3 ATS-Reset
Das Menü "ATS-Reset" über "EASY DIALOG" –> "Installation" –> "Servicemenü für Händler" –> "8500" –> "Sonderfunktionen" aufrufen.
– Gerät wird mit Werkeinstellwerten geladen.
– ATS-Bit wird gesetzt. Diese Option löst beim nächsten Einschalten das ATS euro plus aus. Die bisherige Programmbelegung (Senderkanäle) wird gelöscht.

4. Ton-Einstellungen
Mit "blauer" Taste das Menü "Ton" aufrufen.
Im Menü "Voreinstellungen" sind die Einstellungen "Sprache", "Musik" oder "manuell" anwählbar.
Bei "manuell" sind Einstellungen des Klanges möglich. In den anderen Einstellungen sind die Werte fest vorgegeben.

5. Bild-Einstellungen
Mit "roter" Taste das Menü "Bild" aufrufen.
Im Menü "Voreinstellungen" sind die Einstellungen "Am Tag", "Am Abend" und "manuell" anwählbar.
Die "manuell"-Einstellung lässt eine Regulierung von Farbstärke, Kontrast, Schärfe und Weißabgleich zu. In den anderen Einstellungen sind die Werte fest vorgegeben.

6. Einstellungen über die Senderbelegung

6.1 Zwangseinstellungen im Programm-Mode
Das Menü "Tonkanal" über "EASY DIALOG" –> "Programmtabelle" –> "grüne Taste" –> "Kanaleinstellungen ändern" aufrufen.
Sie können zwischen "automatisch", "Mono", "Mono B" und "Mono C" wählen.
Mono B = Orginalton
Mono C = Bei Digitalem Ton-Empfang (Nicam).

Service and Special Functions

Call up the Service Menu:	Button " i " (EASY DIALOG)
Call up the dialogue line:	Buttons "**P+**" / "**P-**" –> "**OK**"
Change the setting in the dialogue line:	Buttons " ◄ " / " ► " –> "**OK**"
Back to previous menu:	Button "**Blue**"
Exit menu:	Button " i "
Dealer Service menu (code number):	"8500"

1. Switching-on Options

1.2 Electronic Programme Lock (parental lock)
Enter the key sequence "7038580" to cancel your personal code.

1.3 Software Version Number
Call up the "EASY DIALOG" menu. Pressing the green button indicates the software version number.

1.4 Flash Programming
The last version of software and description of programmer software are available via Service Portal "**http://service.grundig.de**" –> "**Software Download**" –> search (order number of TV set) –> "**Tip**".

1.5 Direct Display Type Adjustment (from software 11 onwards)
If the menus can not be displayed any longer due to an incorrect display type adjustment, you can carry out the correct adjustment with the help of key short cuts.
Before and after the direct entry, the unit must be switched off and on again!
After 20s adjust the desired display type according the display lable via the keys " i ", "P" and 2-digit code.
The following 2-digit code indicates the display types:

00	LPL	LC320W01-SL01
01	AUO	T315XW01 V2
02	LPL	LC370WU1-SL01 (Default)
03	CMO	V370H1-L0A
04	LPL	LC420WU2
05	LPL	LC260WX2-SLB2

Switch the set off and on.

2. Special Functions in the "Installation" Menu

2.1 Visible or Unvisible "Sound scale" for all Programmes
Call up the "Sound scale" menu via "EASY DIALOG" –> "Installation" –> "Special functions".
With "Off" selected, no volume bar is displayed.

2.2 Switching on with Programme "1" or automatically
Call up the "Switch on" menu via "EASY DIALOG" –> "Installation" –> "Special functions" .
Set the option "Preset 1" or "Automatic".
With the "automatic" setting, the programme position selected when switching off is selected again when switching the set on again (Last station memory).

2.3 Status Display
Call up the "Status display" menu via "EASY DIALOG" –> "Installation" –> "Special functions".
You may select the position (top or bottom) where the information about the sound mode and the picture format is displayed.

2.4 PIP Position
Call up the "PIP position" menu via "EASY DIALOG" –> "Installation" –> "Special functions".
You may select the position (left or right) where the PIP position is displayed. The PIP position (top or bottom) is depending on the postion of Status Display, eg. if the Status Display is on the bottom position, then the PIP position is on the top position.

2.5 Automatic Volume
Call up the "Automatic volume" menu via "EASY DIALOG" –> "Installation" –> "Special functions".
In the "On" position, the sound IC regulates the volume internally to the normal value (e.g. increased deviation in the case of advertising).

2.6 Colour Match
Call up the "Colour match" menu via "EASY DIALOG" –> "Installation" –> "Special functions" –> page 2.
The colour match (luma delay) is adjustable with the buttons ◄ / ►.

2.7 Automatic Format
Call up the "Automatic format" menu via "EASY DIALOG" –> "Installation" –> "Special functions".
You can select which picture format (4:3, Panorama zoom, 14:9, 16:9, Cinema zoom oder Sky Top) is shown for programmes without letterbox and without transmitted WSS info (Wide Screen Signalling) when automatic picture format is activated.

2.8 Menu Transparency
Call up the "Menu transparency" menu via "EASY DIALOG" –> "Installation" –> "Special functions".
The Menu transparency is adjustable with the buttons ◄ / ►.

3. Service Settings for the Dealer

3.1 Picture Settings

3.1.1 White Balance
The following preparation are required to adjust the white balance in the "Dealer service menu".
– Feed in a grey scale test pattern with burst.
– Call up the Picture settings by pressing the red button:
  – Brighness: Mean value
  – Contrast: Maximum
  – Colour: Mean value
  – White balance: Central position

Call up the "White balance" menu via "EASY DIALOG" –> "Installation" –> "Dealer service menu" –> Code number "8500" –> "Picture settings".
Adjust the values for "red", "green" and "blue" so that the picture is obtained.

3.1.2 Switching the Blue Screen Background On and Off
Call up the "Blue screen" menu via "EASY DIALOG" –> "Installation" –> "Dealer service menu" –> Code number "8500" –> "Picture settings".
Select "On" or "Off".

3.2 Hardware Equipment

3.2.1 Display Type
Call up the "Display type" menu via "EASY DIALOG" –> "Installation" –> "Dealer service menu" –> Code number "8500" –> "Hardware equipment".
Select the appropriate display type.

3.2.2 Soundtype
Call up the "Soundtype" menu via "EASY DIALOG" –> "Installation" –> "Dealer service menu" –> Code number "8500" –> "Hardware equipment".
Select sound type appropriate to the hardware equipment table (3.2.5).

3.2.3 Front-LED
Call up the "Front-LED" menu via "EASY DIALOG" –> "Installation" –> "Dealer service menu" –> Code number "8500" –> "Hardware equipment".
Select front LED appropriate to the hardware equipment table (3.2.5).

3.2.4 Show connectors
Call up the "Show connectors" menu via "EASY DIALOG" –> "Installation" –> "Dealer service menu" –> Code number "8500" –> "Hardware equipment".
Select Show connectors appropriate to the hardware equipment table (3.2.5).

3.2.5 Table of Hardware Equipment

	Vision+ 26	Vision+ 32	Lenaro 37	Fine Arts 37	Lenaro 42	Fine Arts 42
SoundTyp	Type 6	Type 5	Type 2	Type 1	Type 3	Type 4
Front LED	Type 1	Type 1	Type 1	Type 2	Type 1	Type 2
Show connectors	Type 3	Type 3	Type 1	Type 2	Type 1	Type 2

3.3 Special Functions

3.3.1 AGC Setting
Call up the "AGC setting" menu via "EASY DIALOG" –> "Installation" –> "Dealer service menu" –> Code number "8500" –> "Special functions".
Default value is 5 steps from the left border.

3.3.2 Backlight Dimming
Call up the "Backlight Dimming" menu via "EASY DIALOG" –> "Installation" –> "Dealer service menu" –> Code number "8500" –> "Special function".
The intensity of the Backlight is adjustable with the buttons ◄ / ►.

3.3.3 ATS Reset
Call up the "ATS-reset" menu via "EASY DIALOG" –> "Installation" –> "Dealer service menu" –> Code number "8500" –> "Special function".
– The factory settings are loaded.
– The ATS bit is set. When switching on the next time, this option releases the ATS euro plus function. The current programme allocation (channels) is cleared.

4. Sound Settings
Press the "blue" button to call up the "Sound" menu.
The settings "Speech", "Music" or "Manual" can be selected in the "Defaults" menu.
The "Manual" setting allows you to adjust the sound. For the other settings, specific values are preprogrammed.

5. Picture Settings
Press the "red" button to call up the "Picture" menu.
In the "Defaults" menu, the settings "Day", "Night", and "Manual" can be selected.
With the "Manual" option, you may set the contrast and the picture sharpness. For the other settings, specific values are preprogrammed.

6. Settings via the Channel Allocation

6.1 Forced Settings in Programme Mode
Call up the "Sound channel" menu via "EASY DIALOG" –> "Preset List" –> "green button" –> "Edit channel settings".
You may select between "Automatic", "Mono", "Mono B" and "Mono C".
Mono B = Original sound track
Mono C = For digital sound reception (Nicam).

Platinenabbildungen und Schaltpläne / Layout of PCBs and Circuit Diagrams

Hauptplatte / Main Board

POS.	X	Y
BR3035	T 38	145
BR3037	T 20	165
BR3041	T 65	155
BR3043	T 75	149
BR6130	T 141	139
BR6270	T 117	129
BR6285	T 166	17
BU1	T 11	80
BU2	T 11	20
BU5	T 196	5
BU6	T 110	8
BU7	T 69	8
BU_AINL	T 8	169
BU_AINR	T 8	183
BU_ALCOT	165	8
BU_ARCOT	179	8
BU_AV	T 6	135
BU_KH	T 16	5
BU_PB	T 137	8
BU_PR	T 151	8
BU_VIN	T 8	155
BU_Y	T 123	8
C1017	T 126	51
C1021	T 125	61
C1040	T 143	40
C1070	T 155	41
C2010	T 15	142
C2031	T 79	112
C2045	T 28	111
C2074	T 19	71
C2076	T 24	64
C2082	T 24	80
C2084	T 24	88
C2146	T 21	134
C2156	T 20	122
C3022	T 50	141
C3035	T 43	145
C3037	T 20	165
C3041	T 60	155
C3043	T 75	154
C3062	T 84	121
C3072	T 79	130
C3080	T 35	159
C3082	T 48	159
C3084	T 70	163
C5170	T 65	65
C6104	T 121	180
C6110	T 170	180
C6126	T 132	149
C6130	T 141	135
C6150	T 107	149
C6180	T 183	162
C6184	T 189	147
C6186	T 186	141
C6190	T 166	147
C6194	T 153	132
C6196	T 178	145
C6210	T 90	142
C6270	T 156	31
C6285	T 170	20
C6286	T 156	21
C9100	T 185	82
C9101	T 167	94
C9102	T 221	51
C9411	T 199	163
C9415	T 199	152
C9701	T 265	29
C9702	T 249	162
C9703	T 259	167
C9704	T 278	23
C9705	T 193	185
C9735	T 265	42
CC1016	B 127	53
CC1018	B 127	55
CC1020	B 126	63
CC1024	B 126	29
CC1030	B 142	64
CC1032	B 142	62
CC1034	B 142	59
CC1036	B 142	57
CC1040	B 144	67
CC1042	B 146	67
CC1044	B 148	67
CC1046	B 150	67
CC1048	B 152	67
CC1049	B 156	65
CC1050	B 154	60
CC1052	B 154	62
CC1054	B 159	60
CC1056	B 159	56
CC1058	B 154	57
CC1060	B 146	54
CC1061	B 146	44
CC1062	B 144	54
CC1064	B 150	50
CC1066	B 149	54
CC1068	B 151	54
CC2030	T 68	128
CC2032	B 51	126
CC2034	B 50	133
CC2036	B 43	127
CC2038	T 41	102
CC2040	T 38	102
CC2042	T 31	116
CC2044	T 31	114
CC2046	T 28	116
CC2048	T 68	110
CC2050	B 40	102
CC2052	B 40	100
CC2054	B 35	96
CC2056	B 35	98
CC2070	B 53	105
CC2072	B 56	102
CC2074	B 56	109
CC2076	B 51	116
CC2077	B 50	103
CC2078	B 36	115
CC2080	B 36	117
CC2081	B 53	101
CC2082	B 36	121
CC2084	T 50	106
CC2086	B 36	119
CC2088	T 53	106
CC2110	B 44	118
CC2112	B 45	111
CC2114	B 50	111
CC2116	B 48	111
CC2118	B 54	116
CC2120	B 56	117
CC2122	B 41	107
CC2124	B 44	107
CC2126	T 48	101
CC2128	T 46	101
CC2130	B 59	103
CC2131	B 47	124
CC2132	T 61	105
CC2134	B 68	112
CC2136	B 58	114
CC2140	T 42	139
CC2144	T 28	137
CC2150	T 35	136
CC2154	T 19	137
CC2162	B 67	115
CC2164	B 67	120
CC2170	T 32	128
CC2172	T 26	129
CC2176	T 28	132
CC2180	T 32	120
CC2182	T 26	120
CC2186	T 27	124
CC2188	B 47	117
CC2190	B 32	123
CC2192	B 57	112
CC2230	B 107	11
CC3016	T 55	139
CC3018	T 59	135
CC3034	B 28	155
CC3036	B 20	157
CC3038	B 20	155
CC3040	B 15	151
CC3042	B 76	139
CC3044	B 80	139
CC3046	B 64	142
CC3048	B 73	142
CC3065	B 11	14
CC3067	B 21	10
CC3069	B 15	10
CC3070	B 22	13
CC3112	T 29	184
CC3116	B 28	183
CC3118	B 30	183
CC3120	B 57	183
CC3124	B 32	183
CC3130	B 40	183
CC3132	T 41	183
CC3152	T 53	182
CC3156	B 53	183
CC3158	B 55	183
CC3160	B 34	183
CC3164	B 65	183
CC3166	B 63	183
CC3180	T 39	178
CC3216	T 31	184
CC3218	T 39	184
CC3222	B 26	183
CC3224	B 23	191
CC3226	B 44	183
CC3228	B 42	183
CC3234	T 34	184
CC3236	T 54	184
CC3238	T 62	184
CC3242	B 49	183
CC3244	B 51	183
CC3246	B 67	183
CC3248	B 70	191
CC5010	B 13	165
CC5012	B 13	180
CC5014	T 21	148
CC5024	B 10	129
CC5026	B 8	138
CC5034	T 121	110
CC5036	T 119	116
CC5038	T 127	112
CC5050	T 19	94
CC5056	T 16	87
CC5058	T 16	81
CC5060	T 16	75
CC5062	T 16	85
CC5076	B 13	76
CC5078	T 19	32
CC5080	T 19	35
CC5082	T 19	28
CC5084	T 19	23
CC5086	T 19	21
CC5088	T 19	25
CC5099	B 15	24
CC5120	T 54	68
CC5130	T 66	74
CC5140	T 64	69
CC5144	T 64	74
CC5154	T 56	51
CC5168	T 64	47
CC5170	B 170	62
CC5172	B 172	65
CC5174	B 172	57
CC5176	B 186	65
CC5180	B 163	13
CC5182	B 176	14
CC5184	B 170	13
CC5186	B 189	14
CC5188	B 196	9
CC5210	B 55	12
CC5216	B 63	12
CC5218	B 73	12
CC5220	B 69	12
CC5222	B 65	12
CC5236	T 80	13
CC5250	T 54	27
CC5252	T 46	27
CC5254	T 62	27
CC5256	B 75	16
CC5258	T 68	27
CC5260	T 64	27
CC5274	T 80	8
CC6106	B 125	178
CC6112	B 154	169
CC6114	B 154	159
CC6116	B 150	159
CC6118	B 152	159
CC6120	B 148	173
CC6122	B 136	163
CC6128	B 136	148
CC6140	B 122	169
CC6142	B 122	159
CC6144	B 120	160
CC6145	B 118	160
CC6148	B 116	174
CC6152	B 110	151
CC6154	B 98	145
CC6170	B 193	169
CC6172	B 193	159
CC6174	B 190	160
CC6176	B 188	160
CC6180	B 187	174
CC6182	B 179	155
CC6185	B 189	140
CC6192	B 168	150
CC6210	B 84	160
CC6212	B 87	141
CC6218	B 153	191
CC6220	B 168	188
CC6222	B 99	189
CC6236	T 157	177
CC6250	B 184	189
CC6256	B 105	188
CC6258	B 107	186
CC6260	B 120	189
CC6272	B 155	34
CC6284	B 155	24
CC6287	B 174	28
CC9100	T 198	119
CC9101	T 198	118
CC9102	T 198	115
CC9103	T 198	117
CC9104	T 230	120
CC9105	T 197	121
CC9106	T 217	130
CC9107	T 214	140
CC9108	T 232	124
CC9109	T 232	119
CC9110	T 234	120
CC9111	T 238	122
CC9112	T 228	120
CC9113	T 228	123
CC9114	T 226	121
CC9115	T 225	119
CC9116	T 199	94
CC9117	T 244	119
CC9118	T 241	119
CC9119	T 245	119
CC9120	T 216	139
CC9121	T 180	90
CC9122	T 185	86
CC9123	T 183	85
CC9124	T 213	138
CC9125	T 161	98
CC9126	T 170	90
CC9127	T 212	135
CC9128	T 173	86
CC9129	T 210	116
CC9130	T 219	123
CC9131	T 190	62
CC9132	T 190	58
CC9133	T 206	65
CC9134	T 213	52
CC9135	T 213	56
CC9136	T 203	54
CC9137	T 211	65
CC9138	T 210	65
CC9139	T 208	65
CC9140	T 214	65
CC9141	T 213	65
CC9142	T 222	110
CC9143	T 222	109
CC9144	T 222	112
CC9145	T 222	108
CC9146	T 230	117
CC9147	T 227	117
CC9148	T 225	117
CC9149	T 229	117
CC9150	T 235	117
CC9151	T 233	117
CC9152	T 234	117
CC9153	T 240	117
CC9154	T 236	117
CC9155	T 239	117
CC9156	T 237	117
CC9157	T 244	117
CC9158	T 241	117
CC9159	T 245	117
CC9160	T 176	86
CC9162	T 185	98
CC9164	T 178	95
CC9166	B 215	119
CC9200	T 269	13
CC9201	T 257	11
CC9202	T 211	38
CC9203	T 199	38
CC9204	T 207	33
CC9205	T 207	31
CC9206	T 240	17
CC9207	T 242	17
CC9208	T 244	14
CC9209	B 255	42
CC9210	B 258	36
CC9211	B 254	16
CC9212	B 258	20
CC9300	T 202	136
CC9301	T 294	14
CC9303	T 280	183
CC9304	T 280	185
CC9305	T 280	187
CC9306	T 279	188
CC9307	T 280	181
CC9308	T 280	179
CC9309	T 273	120
CC9310	T 287	122
CC9311	T 285	122
CC9312	T 287	151
CC9313	T 285	152
CC9314	T 205	123
CC9315	T 199	88
CC9316	T 215	104
CC9400	B 223	170
CC9401	B 214	164
CC9402	B 221	172
CC9403	B 217	163
CC9405	B 225	169
CC9406	B 225	161
CC9409	B 217	160
CC9410	T 204	162
CC9412	T 197	158
CC9414	T 207	163
CC9416	B 200	149
CC9432	B 225	151
CC9434	B 216	173
CC9436	B 212	167
CC9438	B 215	158
CC9450	B 229	169
CC9500	B 268	59
CC9502	B 274	53
CC9503	B 279	49
CC9504	B 249	93
CC9507	B 277	50
CC9508	B 283	73
CC9510	B 289	67
CC9511	B 291	66
CC9514	B 293	64
CC9516	B 278	57
CC9517	B 275	59
CC9518	B 292	72
CC9519	B 250	88
CC9520	B 286	78
CC9600	B 286	89
CC9601	B 279	89
CC9602	B 282	111
CC9603	B 288	111
CC9604	B 282	118
CC9605	B 287	118
CC9606	B 222	92
CC9607	B 222	95
CC9608	T 267	192
CC9645	T 189	86
CC9647	B 251	160
CC9648	B 246	160
CC9664	T 295	26
CC9702	B 261	27
CC9703	B 258	28
CC9704	B 234	45
CC9705	B 252	37
CC9706	B 249	31
CC9707	B 244	48
CC9708	B 237	48
CC9709	B 248	27
CC9710	B 250	48
CC9711	B 231	33
CC9712	B 234	27
CC9713	B 238	27
CC9714	B 244	26
CC9715	B 231	41
CC9716	B 231	37
CC9717	B 239	31
CC9718	B 242	31
CC9719	B 241	26
CC9720	B 247	43
CC9721	B 249	43
CC9722	T 257	161
CC9723	T 258	159
CC9725	T 269	169
CC9726	T 266	169
CC9728	T 277	90
CC9731	B 201	193
CC9732	T 289	20
CC9733	T 278	46
CC9734	T 269	39
CC9736	B 261	32
CC9737	B 248	36
CC9738	B 252	45
CC9739	B 234	36
CC9740	B 252	32
CC9741	B 250	27
CC9742	T 205	193
CC9743	B 241	48
CC9744	B 247	48
CC9745	B 242	42
CC9746	B 245	39
CC9747	B 247	39
CC9748	B 239	148
CC9749	B 234	140
CC9751	B 243	152
CC9752	B 243	145
CC9755	B 238	141
CC9757	B 242	148
CC9762	B 242	141
CC9763	B 236	140
CC9767	B 250	137
CC9768	B 238	136
CC9769	B 250	140
CC9770	B 245	152
CC9771	B 247	152
CC9772	B 249	98
CC9773	B 252	98
CC9774	B 247	89
CC9778	B 242	99
CC9779	B 244	86
CC9787	B 245	89
CC9788	B 252	95
CC9789	B 243	89
CC9792	B 241	92
CC9793	B 251	102
CC9794	B 249	102
CC9795	B 247	97
CC9796	B 243	96
CC9797	B 245	97
CC9799	B 235	48
CD3018	T 64	136
CD3020	T 50	136
CD3062	B 82	125
CD6120	B 142	170
CD6162	B 111	170
CD6180	B 182	170
CD6182	B 182	151
CD6184	B 185	151
CD6185	B 183	139
CD6196	B 169	153
CD6230	B 141	183
CD6232	B 138	183
CD6234	B 134	183
CD6236	B 134	177
CD6239	T 153	180
CD9123	T 185	90
CD9133	T 176	90
CD9200	T 208	16
CD9201	T 216	18
CD9202	T 220	18
CD9204	T 212	17
CD9205	T 210	32
CD9206	T 217	41
CD9350	T 281	11
CD9352	T 288	13
CIC1030	T 133	42
CIC1040	T 148	60
CIC2100	T 50	120
CIC5170	T 179	62
CIC6110	T 152	166
CIC6140	T 120	166
CIC6170	T 191	166
CIC6210	T 87	150
CIC6280	T 171	30
CIC9001	T 245	94
CIC9002	T 243	143
CIC9101	T 208	54
CIC9102	T 214	121
CIC9201	T 241	37
CIC9202	T 201	42
CIC9203	T 201	33
CIC9204	T 200	26
CIC9205	T 263	15
CIC9300	T 205	134
CIC9400	T 222	164
CIC9410	T 204	157
CIC9500	T 273	55
CIC9501	T 287	69
CIC9600	T 286	95
CIC9601	T 285	111
CIC9645	T 189	90
CIC9700	T 267	161
CIC9702	T 204	182
CIC9703	T 277	37
CL1010	B 117	47
CL1012	B 117	43
CL1024	B 131	66
CL1030	B 142	67
CL1050	T 161	59
CL1052	T 161	57
CL1060	B 141	54
CL1064	B 154	49
CL1068	B 144	50
CL2194	B 63	129
CL2196	B 63	127
CL2230	B 109	11
CL5024	B 10	131
CL5026	B 8	140
CL5064	T 16	116
CL5066	T 22	99
CL5090	T 16	58
CL5094	T 25	38
CL5170	B 91	117
CL5180	B 137	12
CL5182	B 151	12
CL5184	B 123	12
CL5224	B 33	12
CL5226	B 41	12
CL5228	B 43	12
CL5230	B 49	12
CL5232	B 59	12
CL5262	T 33	27
CL5266	T 41	27
CL5268	T 43	27
CL5270	T 50	27
CL5272	T 58	27
CL6210	B 87	160
CL6254	T 110	188
CL9100	T 179	82
CL9101	B 192	66
CL9102	T 216	53
CL9200	T 228	14
CL9201	T 226	14
CL9202	B 234	13
CL9203	B 236	13
CL9204	B 232	13
CL9205	T 226	35
CL9206	T 228	35
CL9300	T 222	67
CL9302	T 229	71
CL9303	T 228	71
CL9304	T 219	73
CL9305	T 217	90
CL9306	T 283	123
CL9307	T 273	123
CL9308	T 273	128
CL9309	T 273	132
CL9310	T 283	148
CL9311	T 282	153
CL9312	T 261	121
CL9313	T 257	121
CL9314	T 252	121
CL9315	T 223	187
CL9316	T 199	96
CL9317	T 207	69
CL9318	B 295	17
CL9346	T 273	182
CL9347	T 273	184
CL9352	T 278	186
CL9353	T 277	189
CL9354	T 271	120
CL9601	T 243	162
CL9602	T 244	162
CL9603	T 269	190
CL9700	T 273	23
CL9701	B 245	31
CL9703	B 249	39
CL9704	T 276	93
CL9705	T 208	193
CL9706	B 198	193
CL9707	T 272	169
CL9708	T 260	32
CL9709	B 238	145
CL9710	B 246	147
CL9711	B 249	95
CL9712	B 241	89
CL9713	B 241	96
CL9714	B 247	101
CL9715	B 245	43
CL9716	T 253	167
CL9717	B 293	77
CON9101	T 196	60
CON9201	T 216	9
CON9202	T 262	-2
CON9300	T 292	174
CON9301	T 292	139
CON9302	T 287	192
CON9303	T 236	191
CON9304	T 196	86
CON9305	T 295	10
CON9306	T 201	69
CON9600	T 246	189
CR1016	B 126	41
CR1018	B 126	39
CR1024	B 126	31
CR1044	B 152	71
CR1046	T 161	69
CR1048	T 161	67
CR1049	T 161	65
CR1054	B 160	64
CR1056	B 160	62
CR1058	T 161	53
CR1060	B 148	50
CR1062	B 153	46
CR1064	B 155	46
CR1070	B 158	43
CR2010	B 20	145
CR2020	B 43	132
CR2022	T 44	139
CR2024	B 93	117
CR2026	B 95	117
CR2028	B 61	111
CR2036	B 57	124
CR2038	T 41	106
CR2040	T 38	106
CR2042	T 42	134
CR2044	T 44	134
CR2046	T 46	134
CR2048	B 24	112
CR2050	B 43	101
CR2052	T 43	102
CR2054	T 36	102
CR2056	B 38	97
CR2057	B 37	102
CR2070	B 53	109
CR2072	B 56	106
CR2074	B 33	111
CR2076	B 35	111
CR2078	B 50	107
CR2080	T 53	104
CR2082	B 39	111
CR2084	B 37	111
CR2122	B 41	111
CR2124	B 43	111
CR2126	B 48	107
CR2128	B 46	107
CR2130	B 58	106
CR2132	T 57	106
CR2134	B 68	110
CR2136	B 72	112
CR2140	T 40	135
CR2142	T 35	140
CR2144	T 32	139
CR2146	T 32	145
CR2148	T 32	143
CR2149	T 37	135
CR2150	T 32	141
CR2152	T 23	140
CR2154	T 22	137
CR2156	T 23	144
CR2158	T 21	145
CR2160	T 21	143
CR2170	B 36	128
CR2172	T 26	127
CR2174	T 32	132
CR2176	T 30	132
CR2178	T 26	132
CR2180	B 36	126

T: Koordinaten für die Bauteile der Bestückungsseite (Ansicht von oben) / Coordinates of the Components on the component side (top view)
B: Koordinaten für die Bauteile der Lötseite (Ansicht von unten) / Coordinates of the Components on the solder side (bottom view)

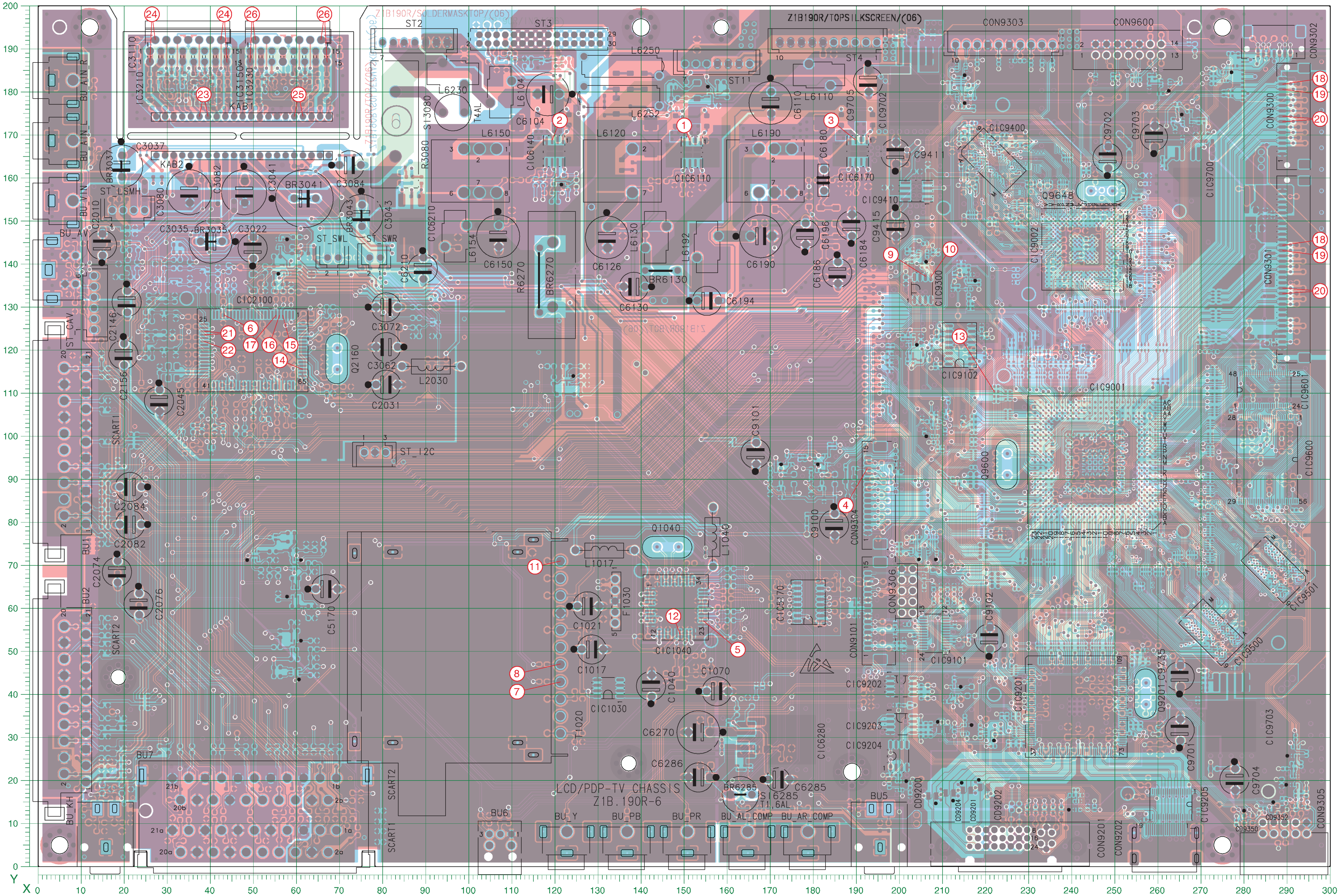
Hauptplatte / Main Board

POS.	X	Y
CR2182	T 26	118
CR2184	T 31	124
CR2186	T 29	124
CR2188	T 25	124
CR2190	B 36	123
CR2192	T 68	130
CR2194	B 68	124
CR2210	B 59	133
CR2212	B 57	133
CR2214	B 55	133
CR2216	B 52	133
CR2218	B 68	126
CR2220	B 105	11
CR3008	T 60	146
CR3010	T 59	143
CR3014	T 62	143
CR3016	T 57	135
CR3018	T 55	135
CR3020	T 56	142
CR3022	T 53	139
CR3024	T 61	139
CR3026	T 53	135
CR3032	T 29	161
CR3034	B 61	162
CR3035	T 27	161
CR3036	B 63	162
CR3058	T 30	27
CR3062	T 88	125
CR3064	T 28	27
CR3065	B 14	18
CR3066	B 16	18
CR3067	B 18	18
CR3068	T 88	128
CR3069	B 15	8
CR3070	T 88	123
CR3072	T 88	130
CR3074	T 92	123
CR3076	B 84	133
CR3084	B 76	166
CR3116	B 34	179
CR3118	B 30	179
CR3130	B 38	180
CR3132	B 40	180
CR3156	B 60	179
CR3158	B 62	178
CR3162	B 63	178
CR3180	T 39	180
CR3210	T 36	183
CR3212	B 36	183
CR3214	B 38	183
CR3222	B 26	179
CR3224	B 23	187
CR3226	B 44	179
CR3228	B 42	179
CR3230	T 60	183
CR3232	B 59	183
CR3234	B 61	183
CR3242	B 49	179
CR3244	B 51	179
CR3246	B 67	179
CR3248	B 70	187
CR5010	B 12	169
CR5012	B 12	183
CR5014	T 23	148
CR5020	B 14	122
CR5022	B 13	167
CR5024	B 8	133
CR5026	B 10	145
CR5030	T 123	116
CR5032	T 127	116
CR5034	T 127	114
CR5036	T 120	113
CR5038	T 125	110
CR5050	T 16	93
CR5056	T 16	89
CR5058	T 16	79
CR5060	T 16	77
CR5062	T 16	83
CR5064	T 15	119
CR5066	T 16	108
CR5068	T 16	106
CR5070	T 16	99
CR5072	T 16	91
CR5074	T 16	114
CR5076	B 13	74
CR5078	T 16	32
CR5080	T 16	35
CR5082	T 16	28
CR5084	T 16	23
CR5086	T 16	21
CR5088	T 16	25
CR5090	T 16	56
CR5092	T 16	54
CR5094	T 16	52
CR5095	T 16	50
CR5096	T 16	38
CR5098	T 16	30
CR5099	B 17	24
CR5110	T 59	78
CR5112	T 59	76
CR5114	T 55	73
CR5116	T 52	68
CR5118	T 55	71
CR5120	T 56	68
CR5130	T 64	61
CR5132	T 60	61
CR5134	T 56	63
CR5136	T 64	58
CR5138	T 60	67
CR5140	T 64	71
CR5142	T 59	74
CR5144	T 62	74
CR5150	T 64	53
CR5152	T 60	55
CR5154	T 56	54
CR5156	T 60	57
CR5158	T 60	48
CR5160	T 56	46
CR5162	T 56	44
CR5164	T 64	45
CR5166	T 64	49
CR5168	T 64	51
CR5170	B 182	57
CR5172	B 185	60
CR5173	B 103	11
CR5174	B 173	60
CR5176	B 186	67
CR5178	B 182	67
CR5180	B 165	13
CR5182	B 179	13
CR5184	B 168	13
CR5186	B 191	14
CR5188	B 198	9
CR5210	B 57	12
CR5216	B 61	12
CR5218	B 74	8
CR5220	B 71	12
CR5222	B 67	12
CR5224	B 31	6
CR5226	B 40	6
CR5228	B 45	6
CR5230	B 52	6
CR5232	B 60	6
CR5234	B 35	12
CR5236	T 80	11
CR5250	T 56	27
CR5252	T 48	27
CR5254	T 60	27
CR5256	B 73	16
CR5258	T 70	27
CR5260	T 66	27
CR5262	B 32	18
CR5264	T 36	27
CR5266	B 39	12
CR5268	B 45	18
CR5270	B 53	18
CR5272	B 60	18
CR5274	T 80	6
CR6114	B 151	156
CR6122	B 155	173
CR6124	B 138	163
CR6126	B 148	159
CR6128	B 145	159
CR6130	B 142	159
CR6140	B 119	157
CR6141	B 125	159
CR6143	T 120	155
CR6144	T 121	161
CR6145	T 123	158
CR6147	T 125	159
CR6150	B 123	174
CR6152	T 117	159
CR6154	T 116	159
CR6156	B 116	160
CR6158	B 113	160
CR6160	B 109	160
CR6170	B 189	157
CR6172	B 186	160
CR6174	B 184	160
CR6176	B 180	160
CR6180	B 194	174
CR6184	B 183	145
CR6186	B 185	145
CR6210	B 88	156
CR6211	T 89	160
CR6213	T 86	160
CR6220	T 151	182
CR6222	T 148	176
CR6234	B 132	180
CR6236	B 138	176
CR6237	B 132	176
CR6238	T 151	178
CR6239	T 148	179
CR6240	T 159	182
CR6242	T 160	180
CR6254	T 106	188
CR6255	T 123	186
CR6256	B 107	189
CR6258	B 109	186
CR6260	T 123	188
CR6262	B 111	188
CR6264	T 114	188
CR6266	T 114	186
CR6272	T 160	34
CR6274	T 168	42
CR6276	T 167	42
CR6278	T 166	23
CR6280	T 164	23
CR6282	T 163	23
CR6285	T 162	36
CR6287	B 174	25
CR9100	T 230	119
CR9101	T 198	121
CR9102	T 217	131
CR9103	T 215	140
CR9104	T 232	123
CR9105	T 232	121
CR9106	T 234	119
CR9107	T 238	121
CR9108	T 228	119
CR9109	T 228	124
CR9110	T 226	122
CR9111	T 225	120
CR9112	T 200	92
CR9113	T 243	121
CR9114	B 241	118
CR9115	B 245	119
CR9116	T 179	79
CR9117	T 214	135
CR9118	T 216	132
CR9119	T 217	138
CR9120	T 215	138
CR9121	T 218	136
CR9122	T 180	92
CR9123	T 180	87
CR9124	T 183	92
CR9125	T 181	92
CR9126	T 181	94
CR9127	T 184	98
CR9128	T 161	99
CR9129	T 177	95
CR9130	T 172	94
CR9131	T 172	92
CR9132	T 174	92
CR9133	T 170	87
CR9134	T 170	92
CR9135	T 220	119
CR9136	T 210	121
CR9137	T 208	116
CR9138	T 209	123
CR9139	T 209	124
CR9140	T 219	125
CR9141	T 220	123
CR9142	T 199	51
CR9143	T 199	52
CR9144	T 190	60
CR9145	T 190	61
CR9146	T 206	67
CR9147	T 201	52
CR9148	T 201	50
CR9149	T 202	56
CR9150	T 199	56
CR9151	T 199	54
CR9152	T 214	62
CR9153	T 213	62
CR9154	T 225	105
CR9155	T 225	110
CR9156	T 208	62
CR9157	T 228	114
CR9158	T 235	114
CR9159	T 233	114
CR9160	T 238	114
CR9161	T 242	114
CR9162	T 220	78
CR9163	B 223	77
CR9164	B 223	79
CR9165	T 223	77
CR9166	B 217	119
CR9167	T 230	114
CR9168	T 208	122
CR9170	T 210	62
CR9171	T 211	62
CR9204	T 230	13
CR9205	B 230	13
CR9206	T 224	35
CR9207	T 225	35
CR9208	B 255	39
CR9210	B 238	13
CR9211	T 238	13
CR9212	T 234	13
CR9213	T 236	13
CR9214	T 232	13
CR9215	T 228	29
CR9216	T 225	29
CR9217	T 222	28
CR9218	T 219	32
CR9219	T 229	29
CR9220	T 226	29
CR9221	T 224	32
CR9222	T 219	30
CR9223	T 227	31
CR9224	T 205	42
CR9225	T 205	40
CR9226	T 207	42
CR9227	T 207	40
CR9228	T 213	38
CR9229	T 213	44
CR9230	T 213	32
CR9231	T 205	31
CR9232	T 205	33
CR9233	T 203	17
CR9234	T 215	35
CR9235	T 206	31
CR9236	T 206	33
CR9237	T 241	18
CR9238	T 245	14
CR9239	T 198	19
CR9240	T 198	21
CR9241	T 200	21
CR9242	T 203	19
CR9243	T 227	46
CR9244	T 233	51
CR9245	T 236	51
CR9246	T 239	51
CR9247	T 242	51
CR9248	T 246	51
CR9249	T 249	51
CR9250	T 254	49
CR9251	T 255	49
CR9252	T 257	48
CR9253	T 258	48
CR9254	B 259	40
CR9255	T 254	36
CR9256	T 256	33
CR9257	T 255	33
CR9258	T 254	33
CR9259	T 254	31
CR9260	T 254	47
CR9262	T 257	50
CR9300	T 206	145
CR9301	T 202	143
CR9302	T 203	141
CR9303	T 208	143
CR9304	T 205	140
CR9305	T 206	140
CR9306	T 217	96
CR9307	T 217	99
CR9308	T 217	98
CR9309	T 220	80
CR9310	T 235	71
CR9311	T 232	71
CR9312	T 220	82
CR9313	T 220	86
CR9314	T 217	93
CR9315	T 208	99
CR9316	T 207	105
CR9317	T 209	97
CR9318	T 210	97
CR9319	T 209	103
CR9320	T 207	103
CR9321	T 205	104
CR9322	T 209	105
CR9323	T 211	101
CR9324	T 206	101
CR9325	T 211	108
CR9326	T 259	113
CR9327	T 260	113
CR9328	T 200	74
CR9329	T 200	73
CR9330	T 200	75
CR9331	T 261	113
CR9332	T 262	113
CR9333	T 204	76
CR9334	T 208	76
CR9335	T 214	182
CR9336	T 212	180
CR9337	T 212	182
CR9338	T 217	182
CR9339	T 217	179
CR9340	T 226	187
CR9341	T 229	187
CR9342	T 236	187
CR9343	T 233	187
CR9344	T 231	187
CR9345	T 218	187
CR9346	T 227	65
CR9347	B 293	13
CR9348	T 277	180
CR9349	T 277	179
CR9350	T 273	185
CR9351	T 273	183
CR9352	B 291	13
CR9353	T 215	177
CR9354	B 288	13
CR9355	T 271	121
CR9356	T 270	122
CR9357	T 270	123
CR9358	T 271	124
CR9359	T 217	176
CR9360	T 267	95
CR9361	T 203	118
CR9362	T 202	118
CR9363	T 202	123
CR9364	B 283	189
CR9365	B 285	189
CR9366	B 282	11
CR9367	B 280	11
CR9368	T 275	180
CR9369	T 284	14
CR9370	T 278	10
CR9371	T 201	123
CR9372	T 203	143
CR9373	T 209	143
CR9374	T 203	123
CR9375	T 217	101
CR9376	T 217	102
CR9377	T 217	103
CR9378	T 217	105
CR9379	B 197	89
CR9380	B 197	91
CR9381	B 289	6
CR9382	T 213	89
CR9383	T 212	90
CR9400	T 257	149
CR9401	T 257	137
CR9402	T 257	152
CR9403	T 257	143
CR9404	T 257	146
CR9405	T 257	140
CR9406	T 261	140
CR9407	B 222	147
CR9408	T 262	139
CR9409	B 222	149
CR9410	T 217	151
CR9411	T 238	159
CR9412	T 239	165
CR9413	T 227	154
CR9415	T 234	159
CR9416	B 257	148
CR9417	B 253	143
CR9418	T 231	159
CR9419	T 238	130
CR9420	T 241	130
CR9421	T 244	130
CR9422	T 247	130
CR9423	T 250	130
CR9424	T 257	134
CR9425	B 202	164
CR9426	T 222	149
CR9427	B 231	158
CR9428	T 222	151
CR9429	B 237	157
CR9430	B 234	158
CR9431	B 219	152
CR9432	T 217	173
CR9433	T 224	170
CR9434	B 216	169
CR9435	T 226	168
CR9436	B 216	171
CR9437	T 228	168
CR9438	B 219	171
CR9439	T 230	168
CR9440	T 218	157
CR9441	T 216	172
CR9442	T 216	158
CR9443	T 215	170
CR9444	T 216	161
CR9445	B 216	167
CR9446	T 214	163
CR9447	T 214	169
CR9448	T 225	151
CR9449	T 227	151
CR9450	T 218	159
CR9451	B 227	169
CR9460	B 229	153
CR9461	B 228	150
CR9462	B 229	151
CR9463	B 229	155
CR9464	B 223	152
CR9465	T 227	149
CR9466	T 227	148
CR9500	T 272	90
CR9501	T 272	87
CR9502	T 265	72
CR9503	T 268	72
CR9504	T 261	77
CR9505	T 272	81
CR9507	T 257	69
CR9508	B 294	72
CR9509	B 294	68
CR9510	T 272	72
CR9511	T 256	65
CR9512	T 253	69
CR9513	T 250	69
CR9514	T 270	69
CR9515	T 272	75
CR9516	T 260	69
CR9517	T 272	78
CR9520	B 288	76
CR9521	B 290	74
CR9522	T 267	70
CR9540	B 271	86
CR9541	B 271	84
CR9542	T 270	85
CR9543	T 270	84
CR9560	B 265	69
CR9561	B 263	69
CR9562	B 274	67
CR9563	T 263	70
CR9600	B 287	105
CR9601	T 292	83
CR9602	B 291	106
CR9603	B 293	106
CR9604	B 284	96
CR9605	B 282	95
CR9606	B 289	102
CR9607	B 291	102
CR9608	B 289	97
CR9609	B 291	97
CR9610	B 282	99
CR9611	B 280	99
CR9612	B 281	103
CR9613	B 279	103
CR9614	B 291	90
CR9615	B 289	90
CR9616	T 273	106
CR9617	T 273	109
CR9618	T 273	112
CR9619	T 273	115
CR9620	T 272	103
CR9621	T 272	100
CR9622	T 272	97
CR9623	B 236	86
CR9624	T 267	90
CR9625	T 261	180
CR9626	T 265	182
CR9627	T 258	182
CR9628	T 258	184
CR9629	T 246	184
CR9630	T 255	183
CR9631	T 250	184
CR9632	T 259	184
CR9633	T 256	156
CR9634	T 227	137
CR9635	T 235	130
CR9636	T 227	139
CR9637	T 254	156
CR9638	T 234	130
CR9639	T 292	14
CR9640	T 289	16
CR9641	T 284	81
CR9642	T 283	82
CR9643	T 277	106
CR9644	B 236	97
CR9645	T 188	93
CR9646	B 258	194
CR9647	B 252	156
CR9648	B 247	156
CR9649	B 252	151
CR9650	T 295	17
CR9651	T 251	184
CR9652	T 293	17
CR9653	T 227	136
CR9654	T 290	23
CR9656	T 292	24
CR9658	T 293	24
CR9660	T 292	23
CR9662	T 292	17
CR9664	T 292	30
CR9665	T 190	93
CR9700	B 231	44
CR9701	T 262	164
CR9702	T 262	162
CR9703	T 262	165
CR9704	T 271	46
CR9705	T 271	45
CR9706	T 271	43
CR9707	T 271	41
CR9708	T 271	42
CR9710	T 199	193
CR9712	T 200	193
CR9718	T 201	193
CR9719	T 271	173
CR9720	T 270	173
CR9721	T 271	170
CR9722	T 264	173
CR9723	T 267	176
CR9724	T 264	171
CT1060	B 149	44
CT2050	T 40	97
CT2056	T 33	102
CT2140	T 39	138
CT2144	T 28	140
CT2150	T 32	136
CT2154	T 20	140
CT2170	T 29	128
CT2180	T 29	120
CT3010	T 56	145
CT3020	T 58	139
CT3054	T 21	18
CT3064	T 16	18
CT3070	T 92	127
CT5030	T 123	113
CT5110	T 55	77
CT5114	T 51	72
CT5140	T 60	64
CT5142	T 60	70
CT5150	T 60	52
CT5160	T 60	45
CT6140	T 120	158
CT6239	T 148	182
CT6240	T 157	180
CT6260	T 118	187
CT6280	T 166	38
CT6285	B 167	31
CT9100	T 216	135
CT9101	T 182	89
CT9102	T 183	95
CT9103	T 175	95
CT9104	T 173	89
CT9200	T 221	31
CT9201	T 213	41
CT9203	T 202	38
CT9204	T 215	32
CT9206	T 241	14
CT9207	T 200	19
CT9300	T 205	142
CT9301	T 208	101
CT9302	T 211	105
CT9303	T 204	73
CT9304	T 208	73
CT9305	T 214	179
CT9306	T 214	186
CT9307	T 276	184
CT9308	T 203	120
CT9374	T 206	118
CT9600	T 262	182
CT9650	T 292	20
CT9660	T 292	27
CT9710	T 265	177
CT9720	T 267	173
F1030	T 134	67
IC3110	T 26	190
IC3150	T 49	190
IC3210	T 26	187
IC3230	T 49	187
KAB1	T 28	174
KAB2	T 68	165
L1017	T 125	74
L1040	T 157	84
L2030	T 98	116
L6104	T 108	180
L6110	T 182	184
L6120	T 138	167
L6130	T 144	146
L6150	T 107	167
L6154	T 97	147
L6190	T 175	167
L6192	T 156	144
L6230	T 97	184
L6250	T 136	179
L6252	T 136	186
Q1040	T 144	74
Q2160	T 70	116
Q9201	T 257	38
Q9600	T 225	96
Q9648	T 245	157
R3080	T 83	165
R6270	T 120	145
SI3080	T 94	175
SI6285	T 166	17
ST1	T 165	187
ST2	T 95	192
ST3	T 103	193
ST4	T 195	192
ST_CAV	T 13	125
ST_I2C	T 76	96
ST_LSMHT	25	153
ST_SWL	T 70	142
ST_SWR	T 80	142
T1020	T 121	31

T: Koordinaten für die Bauteile der Bestückungsseite (Ansicht von oben) / Coordinates of the Components on the component side (top view)
B: Koordinaten für die Bauteile der Lötseite (Ansicht von unten) / Coordinates of the Components on the solder side (bottom view)

Hauptplatte / Main Board

Ansicht von der Bestückungsseite / View of Component Side

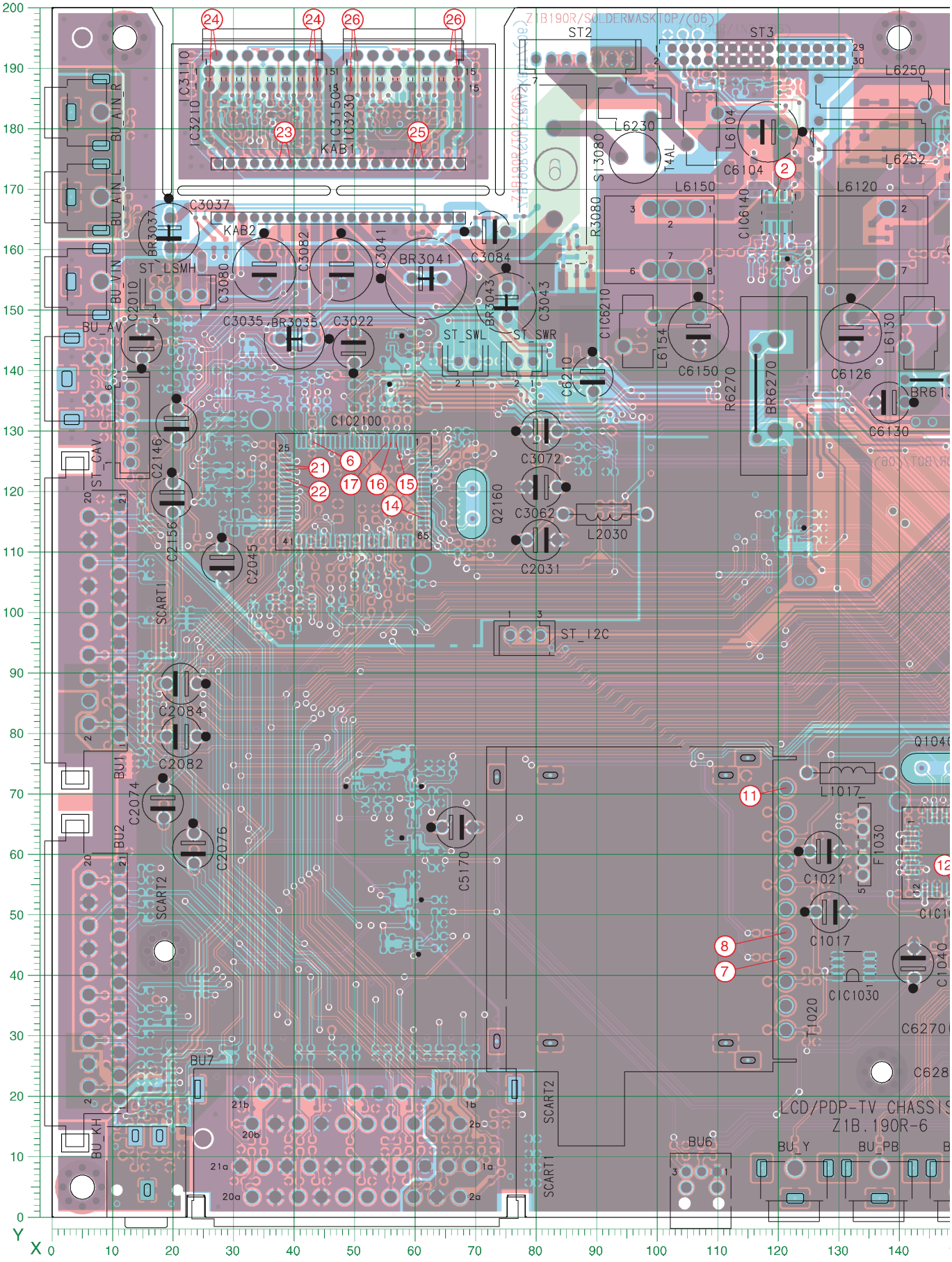

Z1B190R/TOPSILKSCREEN/(06)
Z1B190R/SOLDERMASKTOP/(06)
LCD/PDP-TV CHASSIS
Z1B.190R-6
ST2
ST3
ST4
ST11
ST_LSMH
ST_SWL
ST_SWR
ST_I2C
ST_CAV
KAB1
KAB2
CON9303
CON9600
CON9302
CON9300
CON9301
CON9304
CON9306
CON9101
CON9201
CON9202
CON9305
CIC2100
CIC6110
CIC6140
CIC6170
CIC6210
CIC9400
CIC9410
CIC9002
CIC9700
CIC9300
CIC9102
CIC9001
CIC9601
CIC9600
CIC9500
CIC9501
CIC9101
CIC9201
CIC9202
CIC9203
CIC9204
CIC9205
CIC9703
CIC1040
CIC1030
CIC5170
CIC6280
IC3110
IC3210
IC3150
IC3230
BU_AIN_R
BU_AIN_L
BU_VIN
BU_AV
BU_KH
BU1
BU2
BU5
BU6
BU7
BU_Y
BU_PB
BU_PR
BU_AL_COMP
BU_AR_COMP
SCART1
SCART2
Q1040
Q2160
Q9600
Q9648
Q9201
L1017
L1040
L2030
L6104
L6110
L6120
L6130
L6150
L6154
L6190
L6192
L6230
L6250
L6252
F1030
T1020
SI3080
SI6285
T1,6AL
T4AL
R3080
R6270
BR3035
BR3037
BR3041
BR3043
BR6130
BR6270
BR6285
CD9200
CD9201
CD9202
CD9204
CD9350
CD9352
X
Y

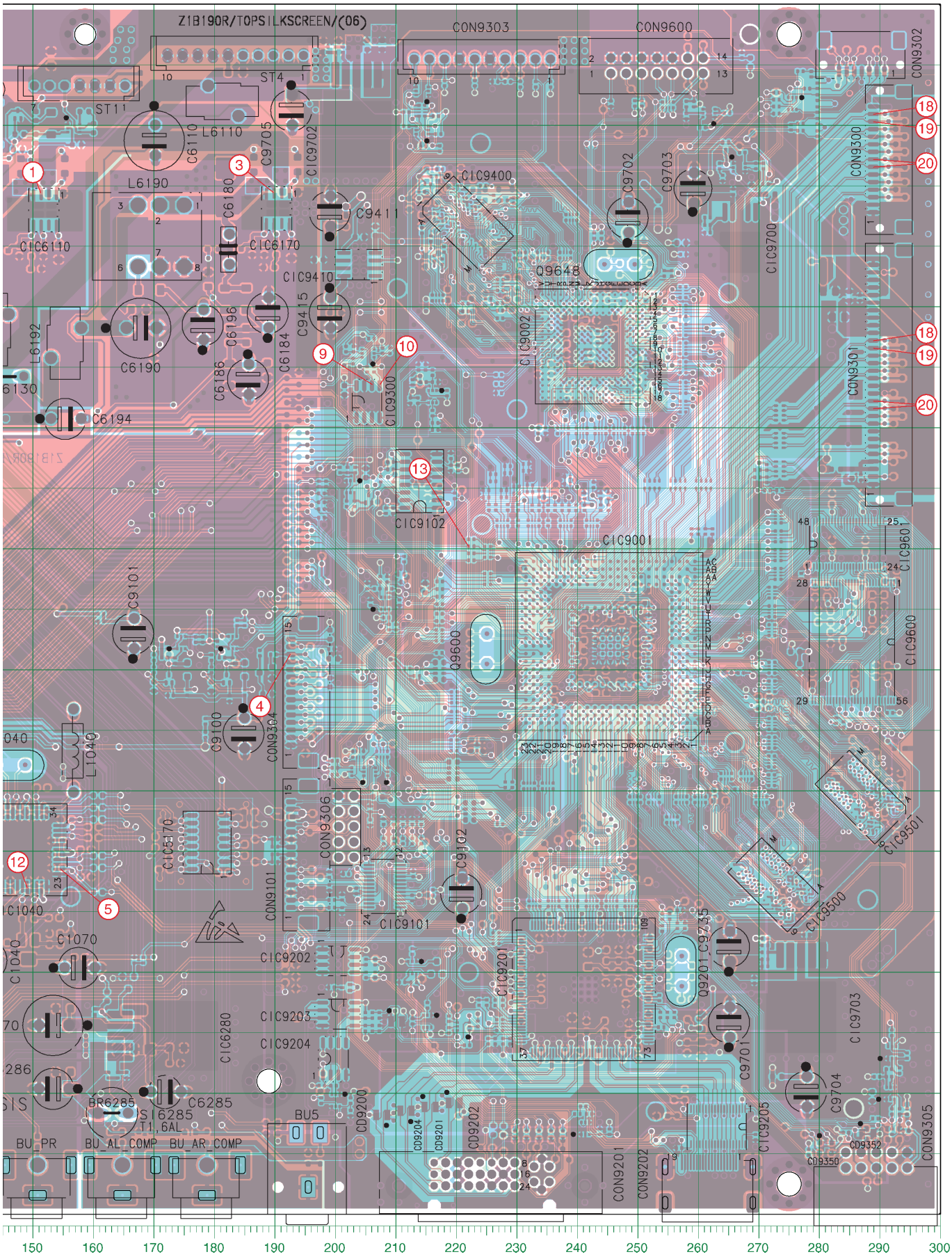
GRUNDIG Service

Chassis Digi 200 (G2)

Hauptplatte / Main Board

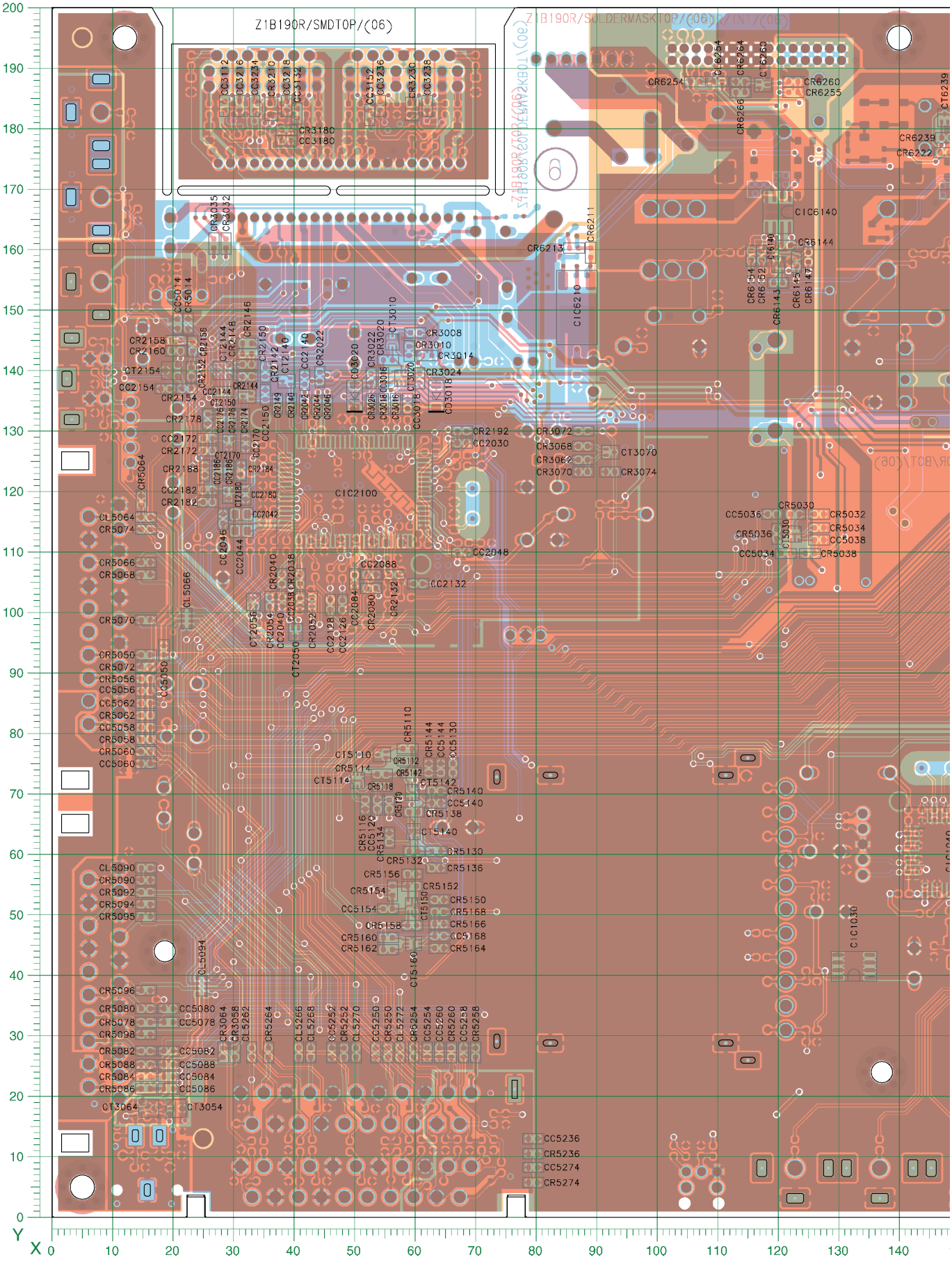
Ansicht von der Bestückungsseite
View of Component Side

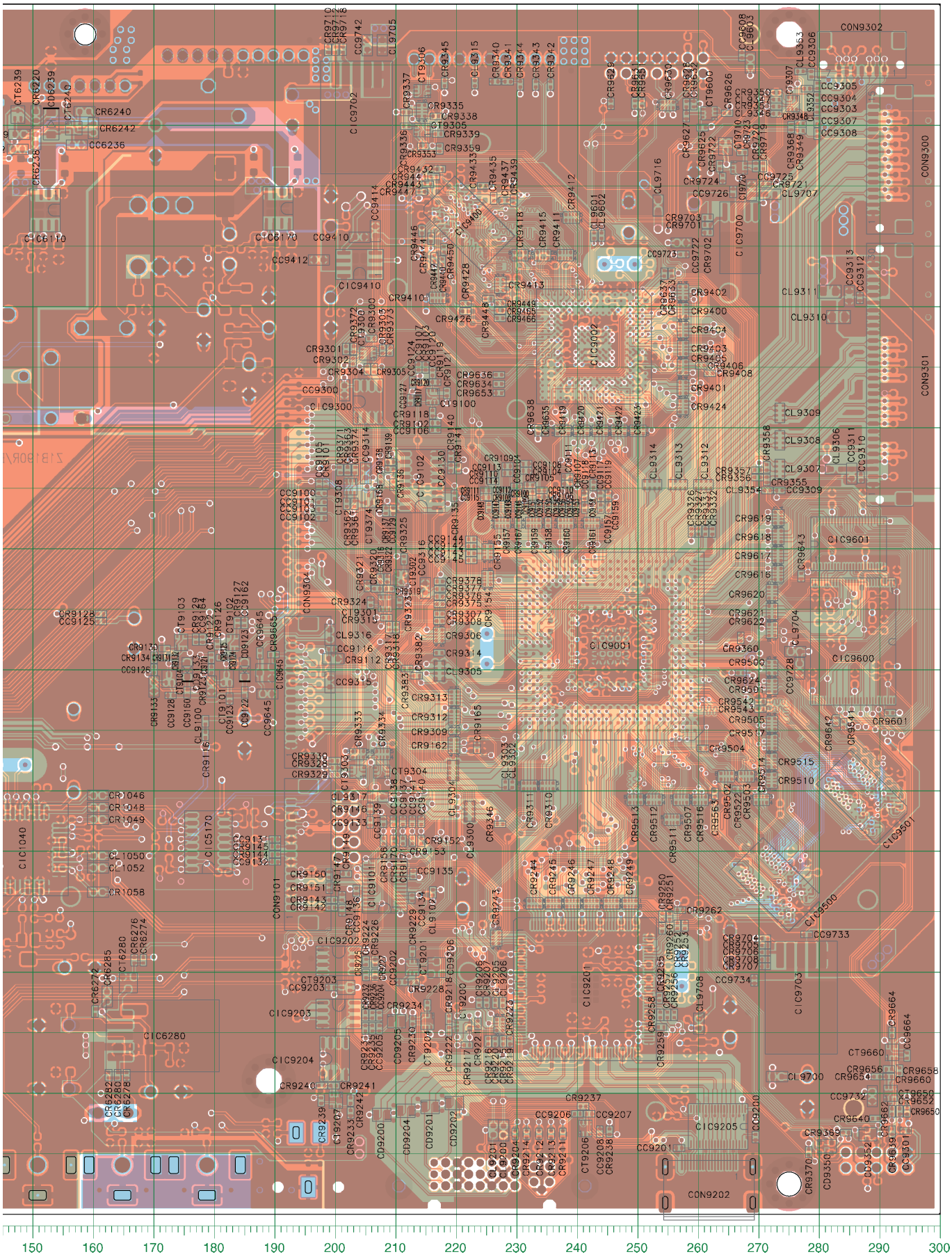



Z1B190R/TOPSILKSCREEN/(06)
CON9303
CON9600
CON9302
CON9300
CON9301
ST4
ST11
L6110
C6110
C9705
C9702
C9703
C9411
CIC9400
CIC6110
L6190
C6180
CIC6170
CIC9410
C9415
Q9648
CIC9700
CIC9002
L6192
C6190
C6196
C6184
C6186
C6194
CIC9300
CIC9102
CIC9001
CIC9600
CIC9501
CIC9500
C9101
Q9600
CON9304
L1040
CIC5170
CON9306
CON9101
C9102
CIC9101
CIC9202
CIC9203
CIC9204
CIC9201
Q9201-Q9735
C9701
C9704
CIC9205
CD9352
CD9350
CON9305
C1070
C6280
BR6285
SI6285
T1,6AL
C6285
BU5
CD9200
CD9204
CD9201
CD9202
CON9201
CON9202
BU_PR
BU_AL_COMP
BU_AR_COMP
1
3
4
5
9
10
12
13
18
19
20
150
160
170
180
190
200
210
220
230
240
250
260
270
280
290
300

Hauptplatte / Main Board

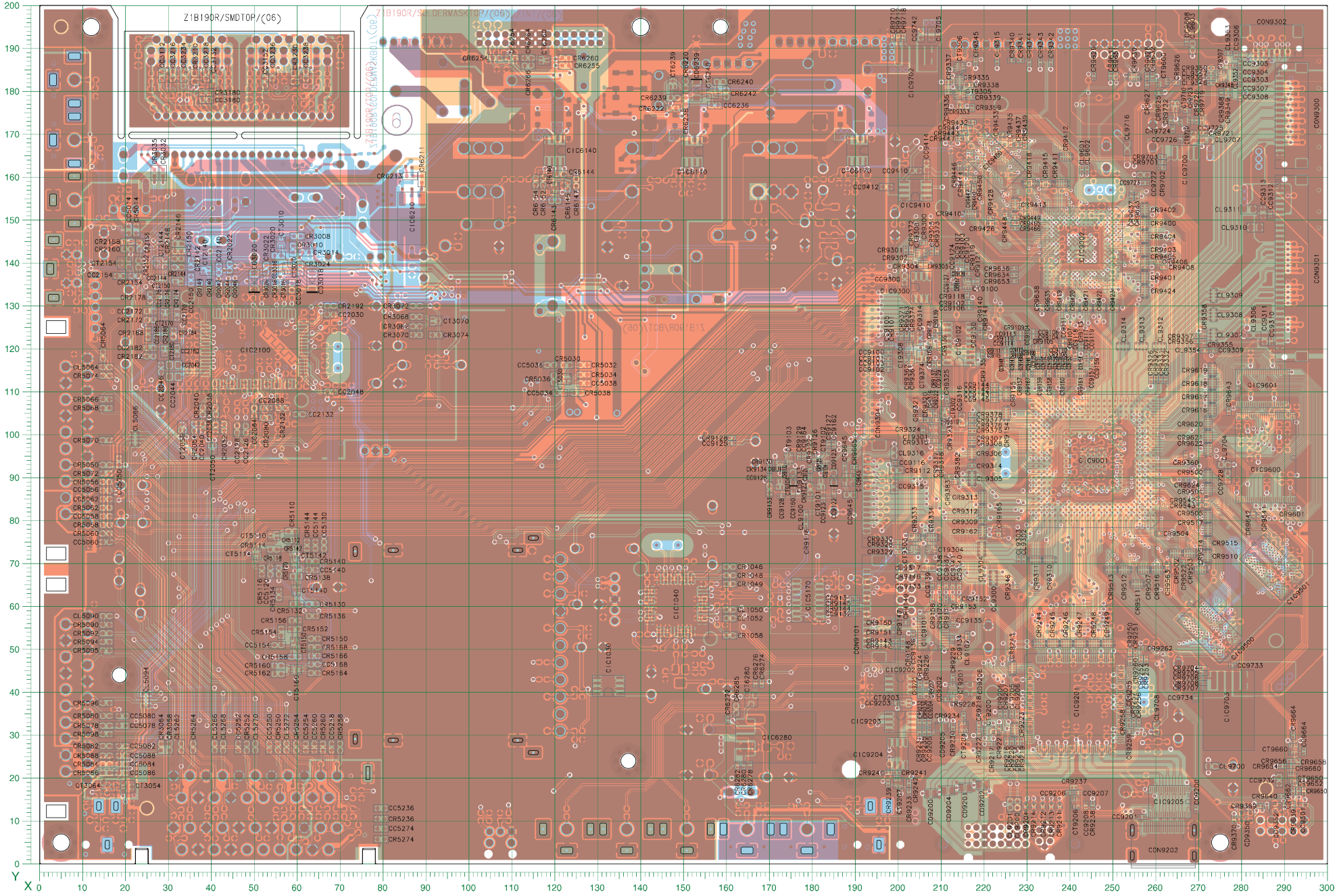
Ansicht von der Bestückungsseite
View of Component Side




150
160
170
180
190
200
210
220
230
240
250
260
270
280
290
300

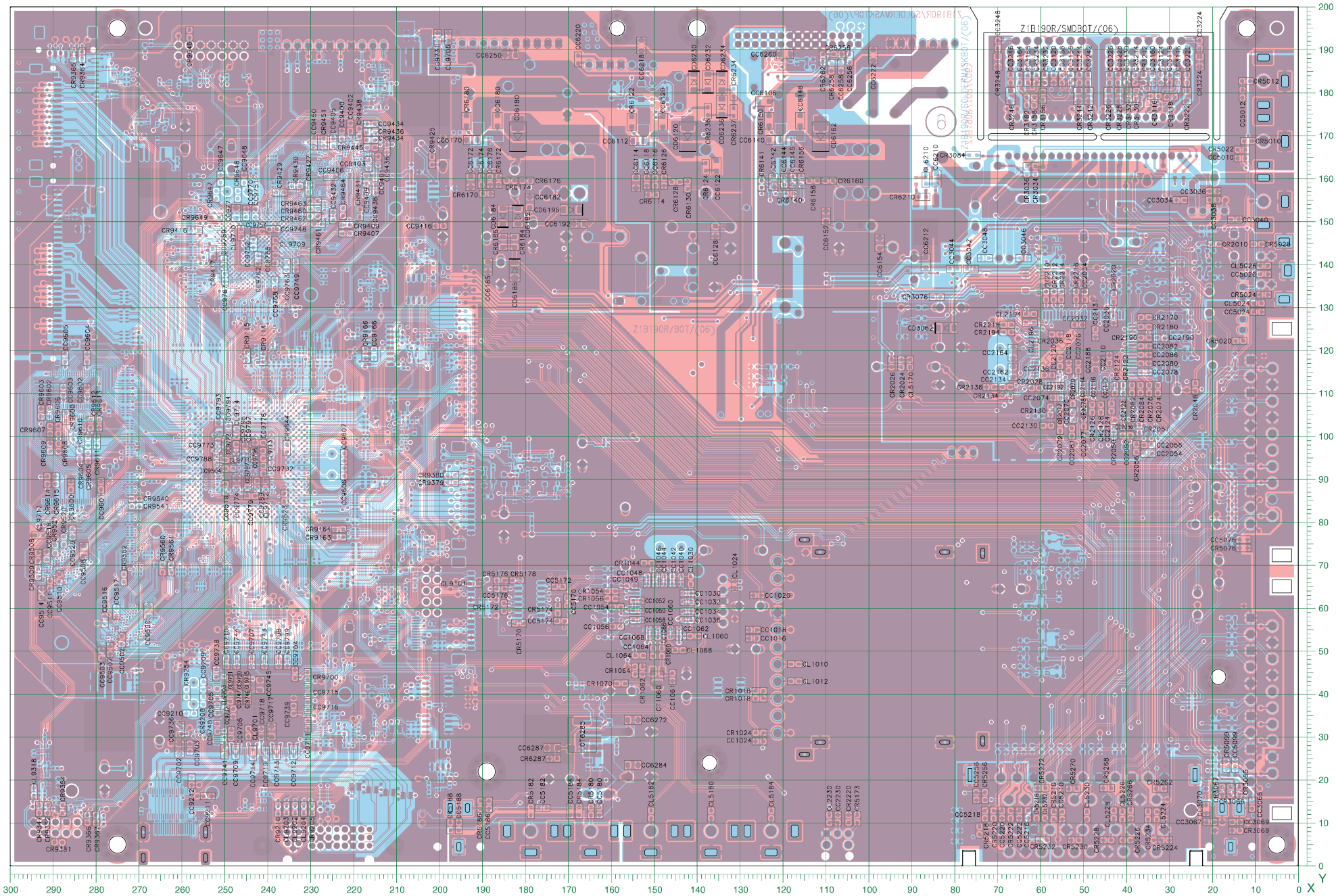
Hauptplatte / Main Board

Ansicht von der Bestückungsseite / View of Component Side



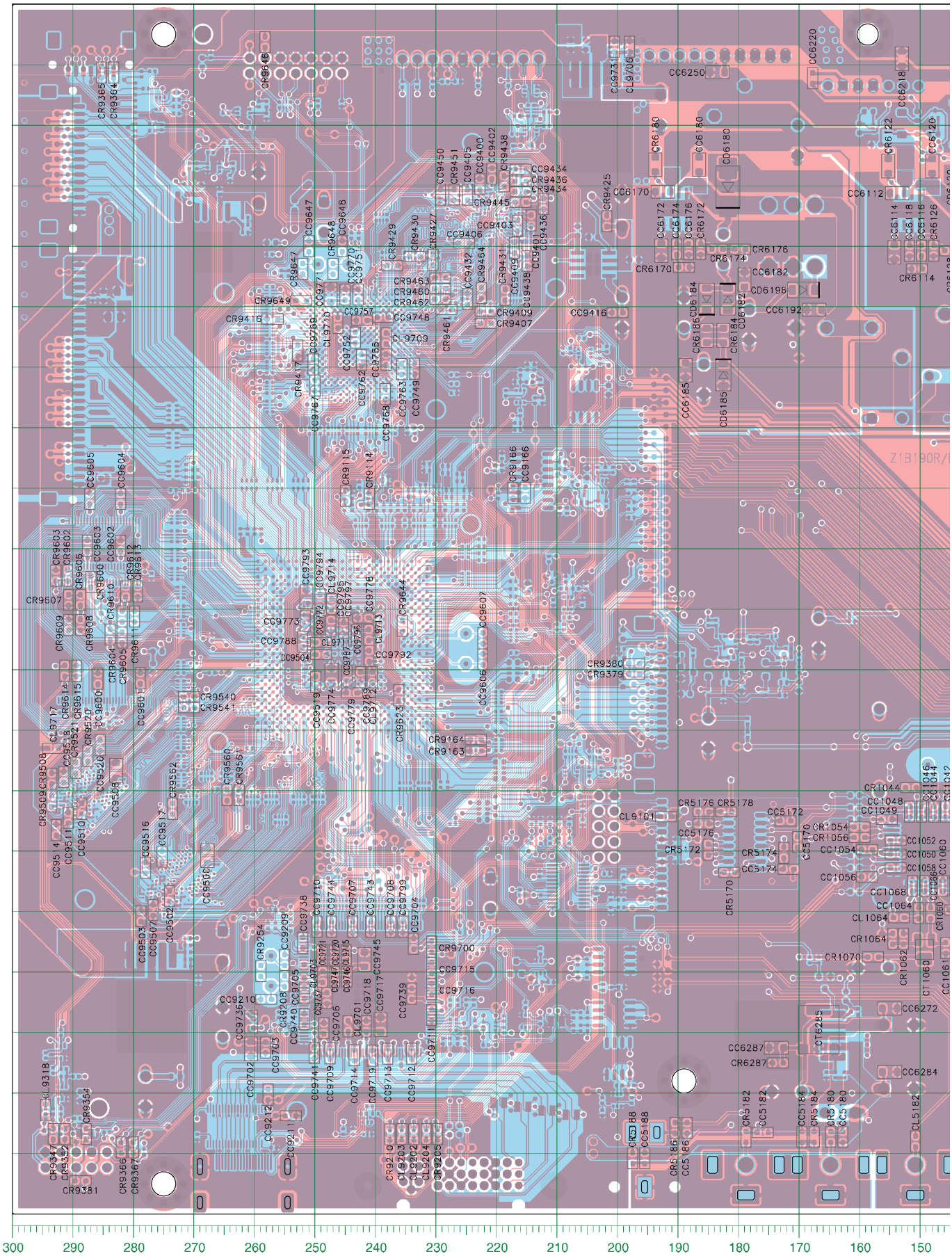
Hauptplatte / Main Board

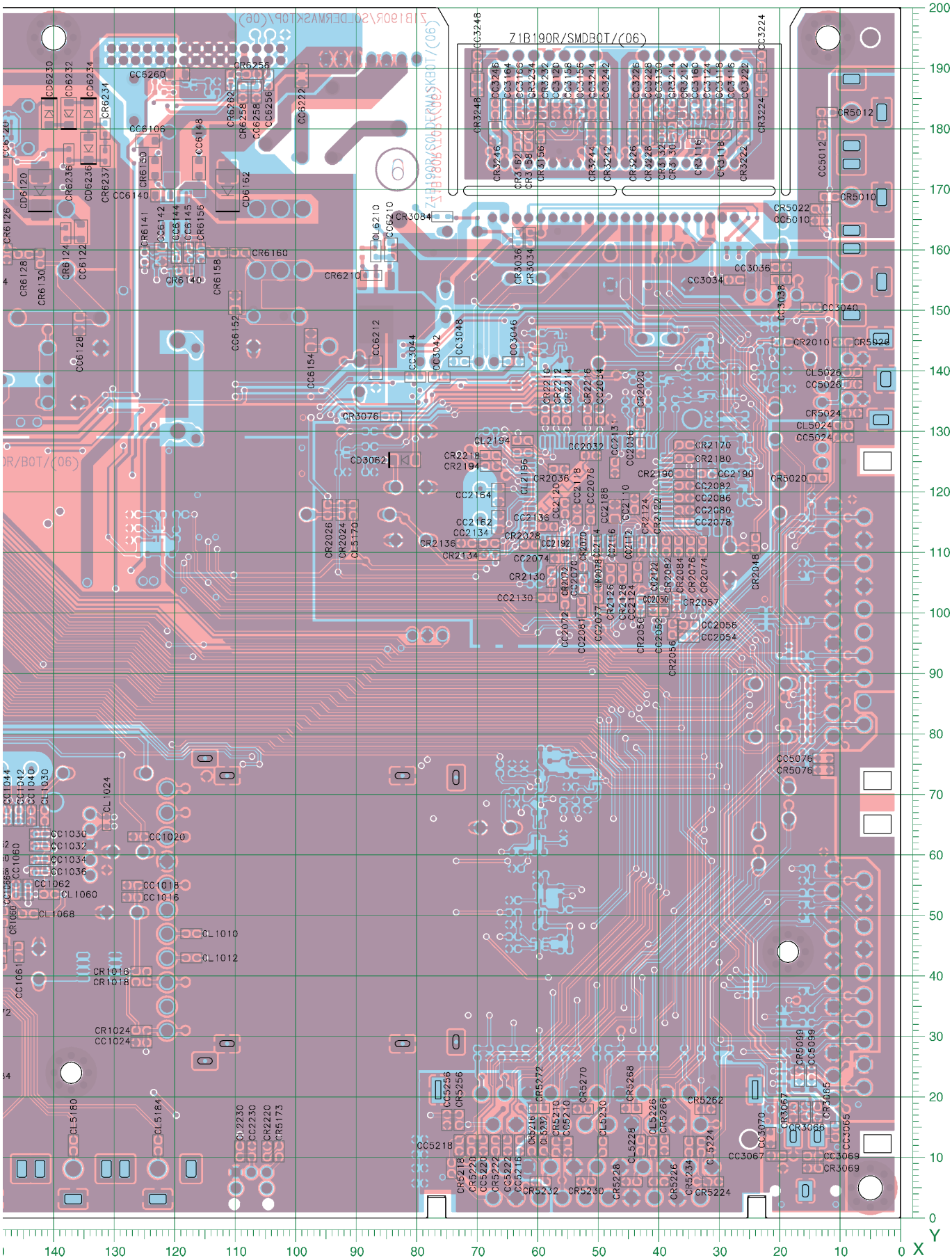
Ansicht von der Lötseite / View of Solder Side



Hauptplatte / Main Board

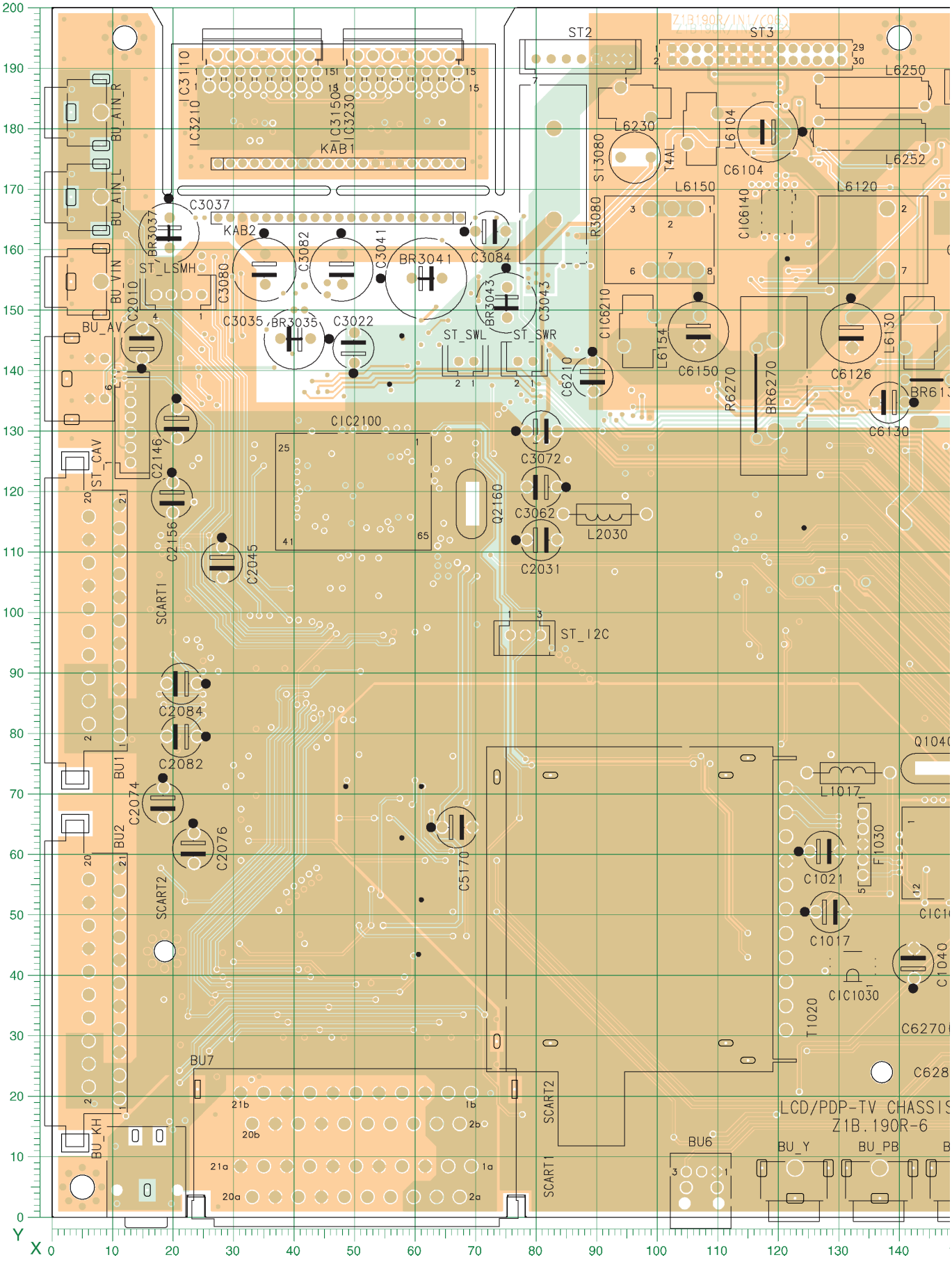
Ansicht von der Lötseite
View of Solder Side

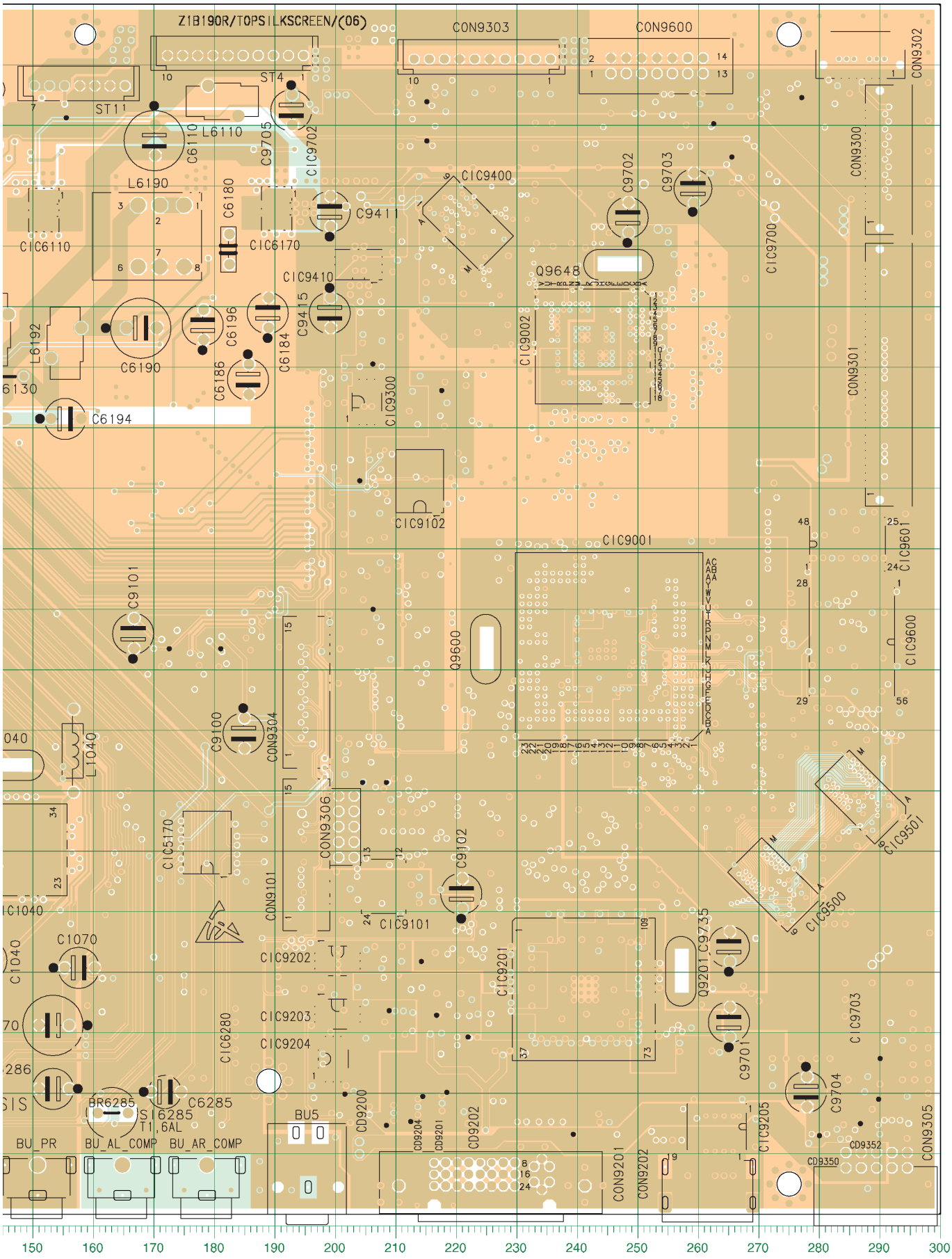



Z1B190R/SMDBOT/(06)
Z1B190R/SOLDERMASKBOT/(06)
Z1B190R/SOLDERMASKTOP/(06)
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
Y
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
X

Hauptplatte / Main Board

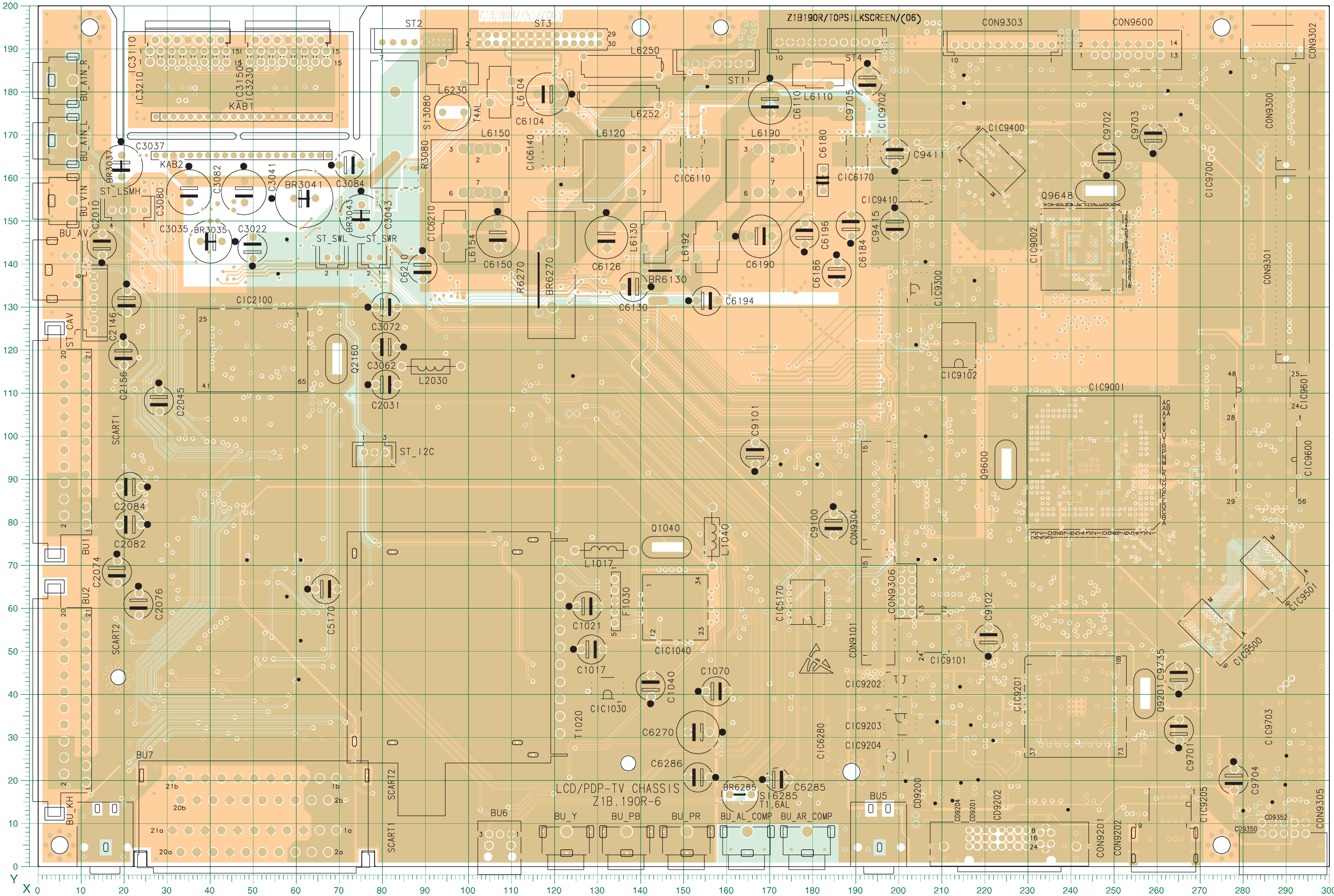
Ansicht von der Bestückungsseite – DC/GND-Layer
View of Component Side – DC/GND Layer



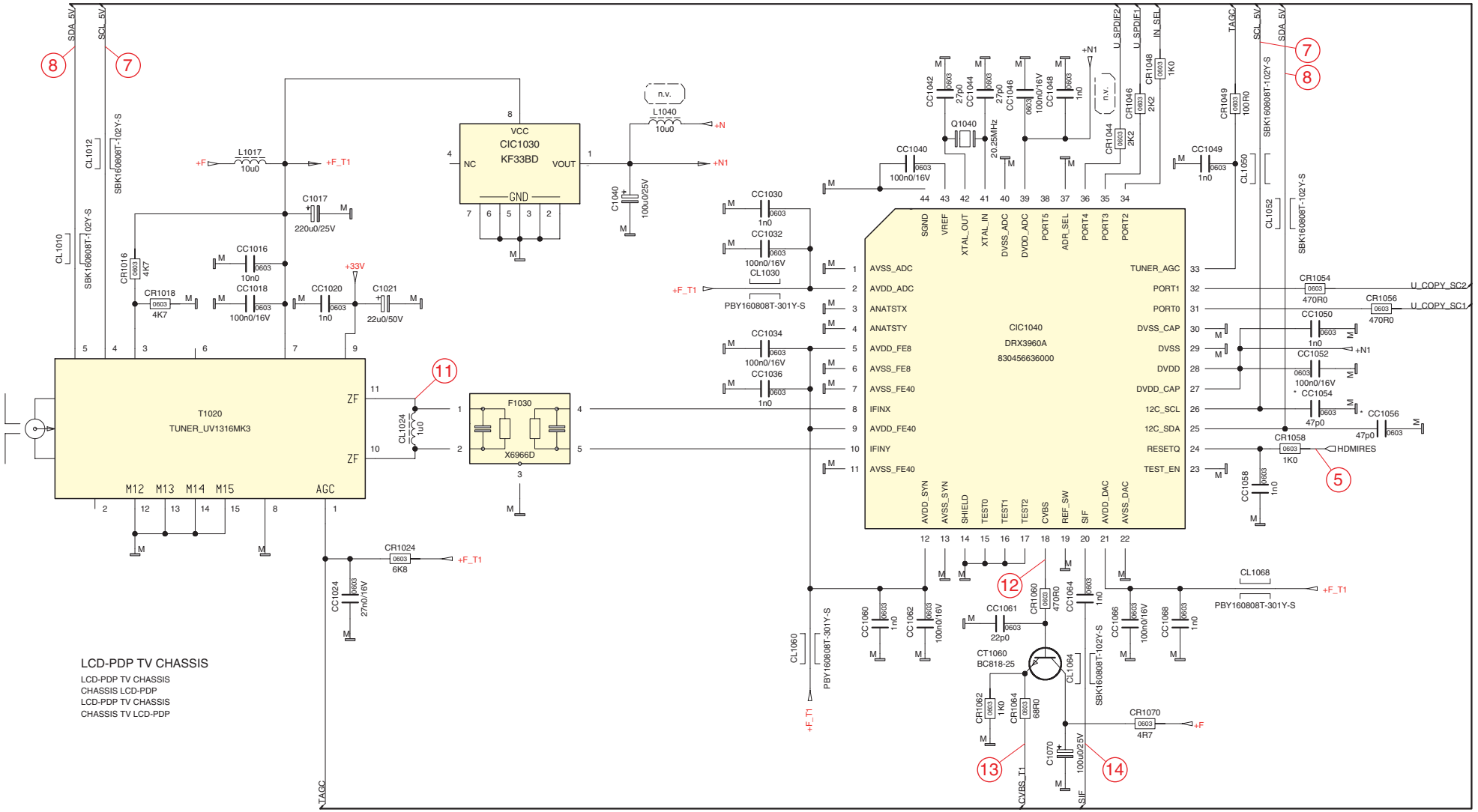

Z1B190R/TOPSILKSCREEN/(06)
CON9303
CON9600
CON9302
CON9300
CON9301
ST11
ST4
L6110
C6110
C9705
CIC9702
L6190
C6180
CIC6110
CIC6170
C9411
CIC9400
C9702
C9703
CIC9700
Q9648
CIC9410
C9415
L6192
C6190
C6196
C6184
C6186
C6130
C6194
CIC9300
CIC9002
CIC9102
CIC9001
CIC9601
CIC9600
C9101
Q9600
C9100
CON9304
L1040
CIC5170
CON9306
CON9101
C9102
CIC9101
CIC9501
CIC9500
C1070
CIC9202
CIC9203
CIC9204
CIC9201
Q9201,C9735
C9701
C9704
CIC9205
CIC6280
BR6285
C6285
SI6285
T1,6AL
BU5
CD9200
CD9204
CD9201
CD9202
CD9352
CD9350
CON9305
CON9201
CON9202
BU_PR
BU_AL_COMP
BU_AR_COMP
150
160
170
180
190
200
210
220
230
240
250
260
270
280
290
300

Hauptplatte / Main Board

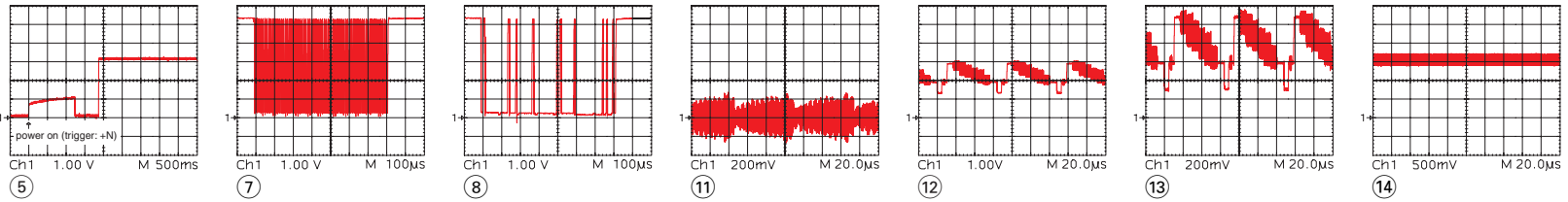
Ansicht von der Bestückungsseite – DC/GND-Layer / View of Component Side – DC/GND Layer



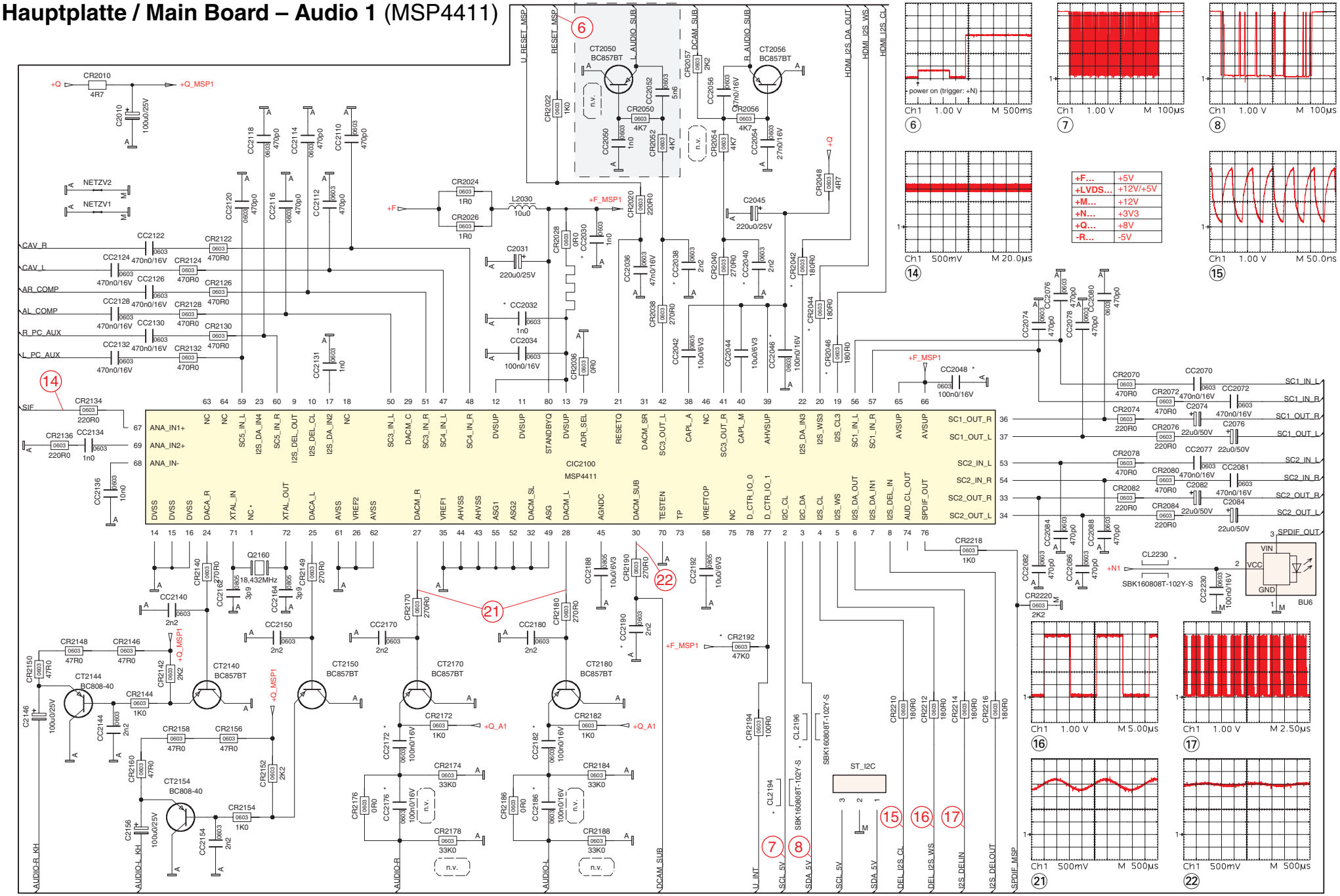
Hauptplatte / Main Board – Tuner



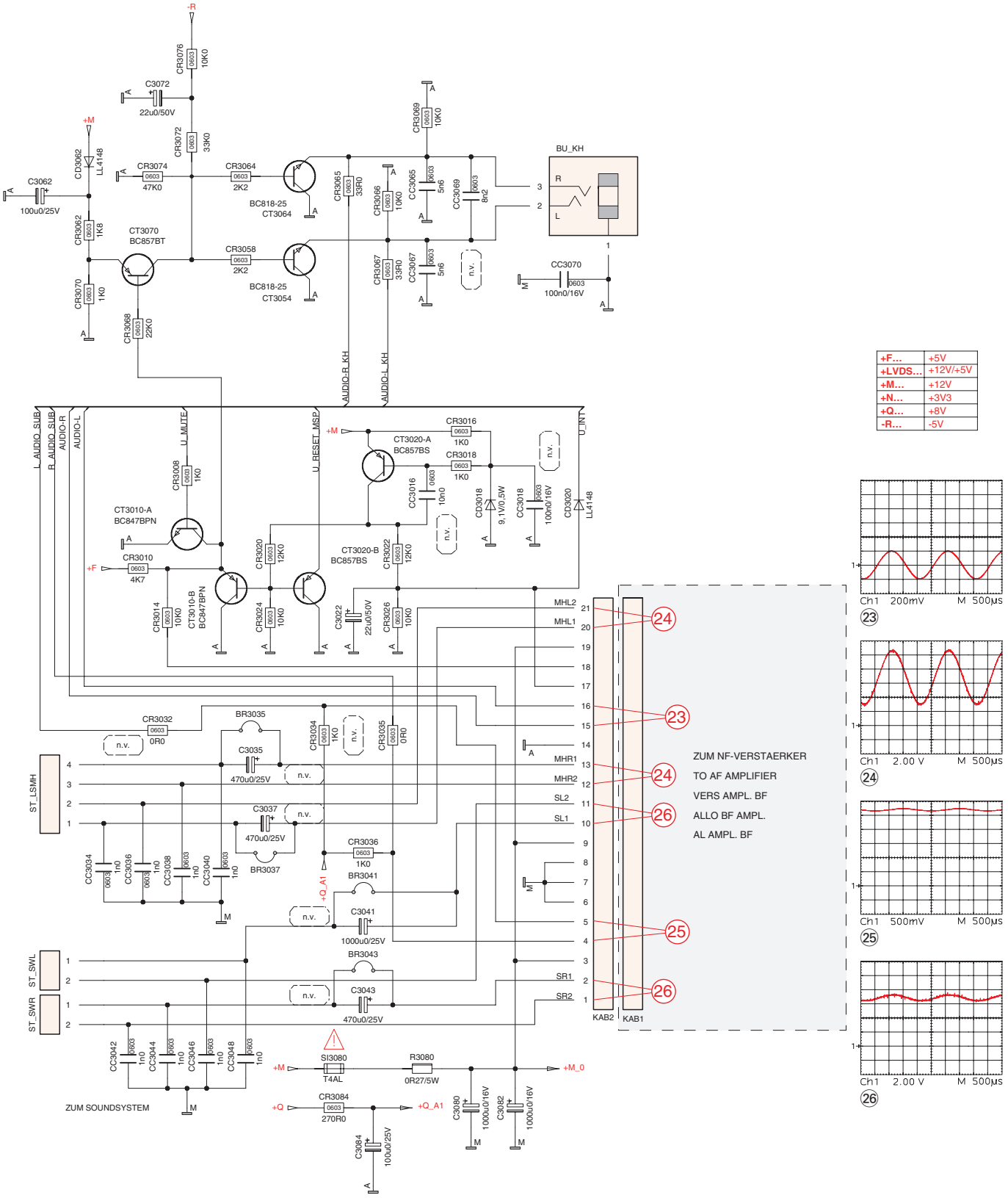
+F...	+5V
+LVDS...	+12V/+5V
+M...	+12V
+N...	+3V3
+Q...	+8V
-R...	-5V


power on (trigger: +N)
Ch1 1.00 V M 500ms
Ch1 1.00 V M 100µs
Ch1 1.00 V M 100µs
Ch1 200mV M 20.0µs
Ch1 1.00V M 20.0µs
Ch1 200mV M 20.0µs
Ch1 500mV M 20.0µs

Hauptplatte / Main Board – Audio 1 (MSP4411)



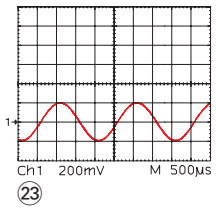
Hauptplatte / Main Board – Audio 2



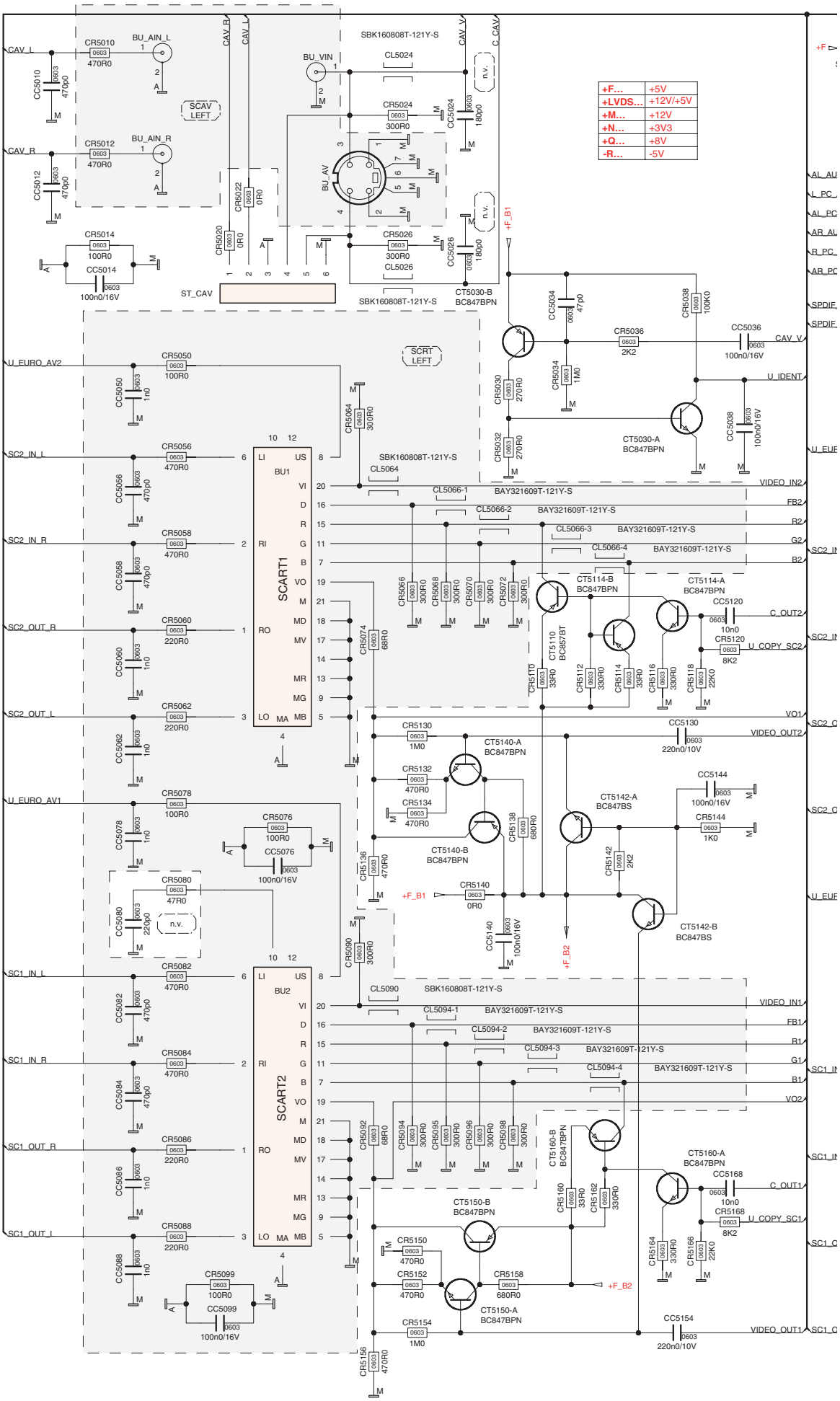
Hauptplatte – Verstärker / Main Board – Amplifier

+F...	+5V
+LVDS...	+12V/+5V
+M...	+12V
+N...	+3V3
+Q...	+8V
-R...	-5V

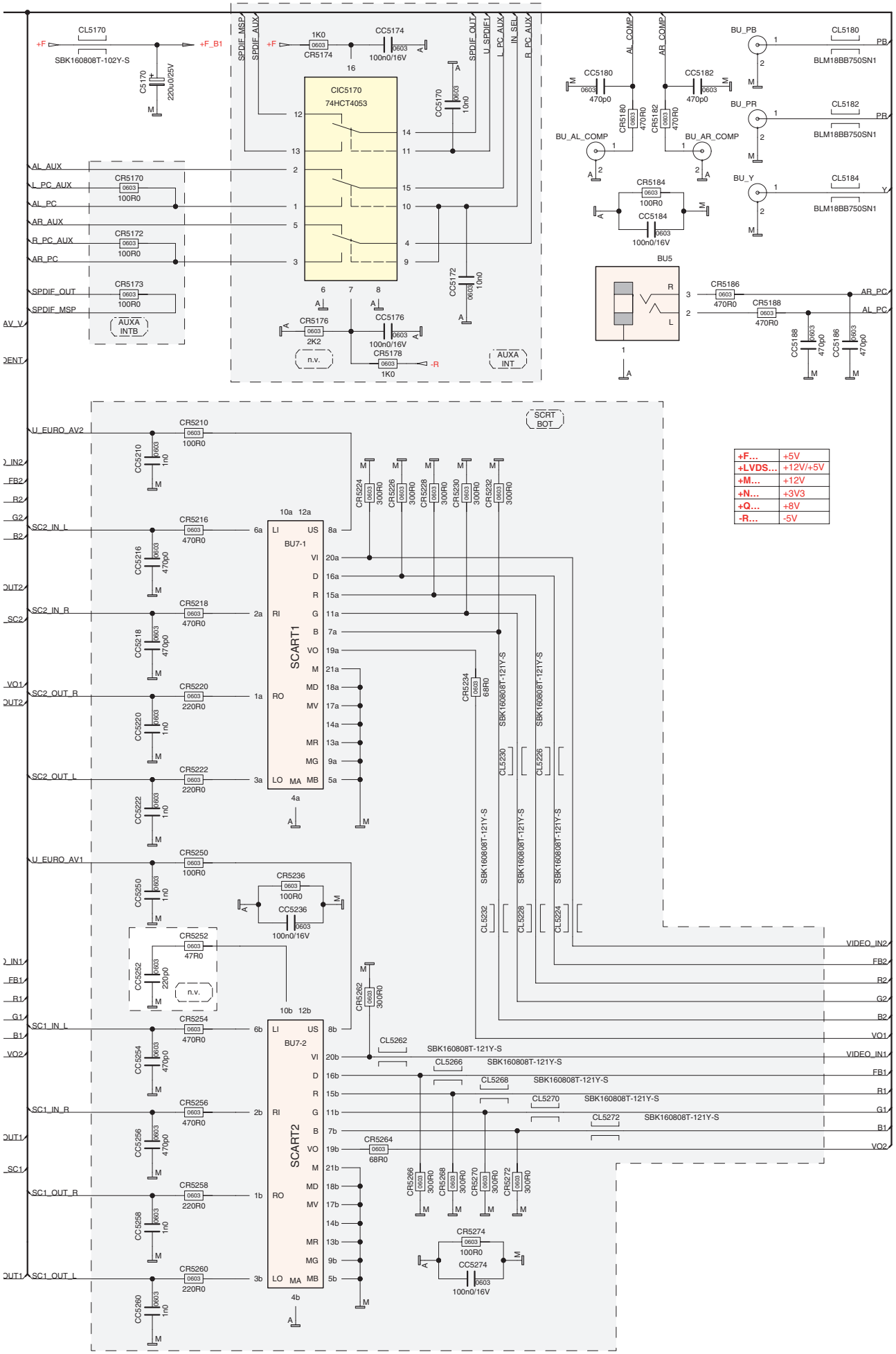
NF-VERSTAERKER
AF AMPLIFIER
AMPL. BF
BF AMPL.
AMPL. BF



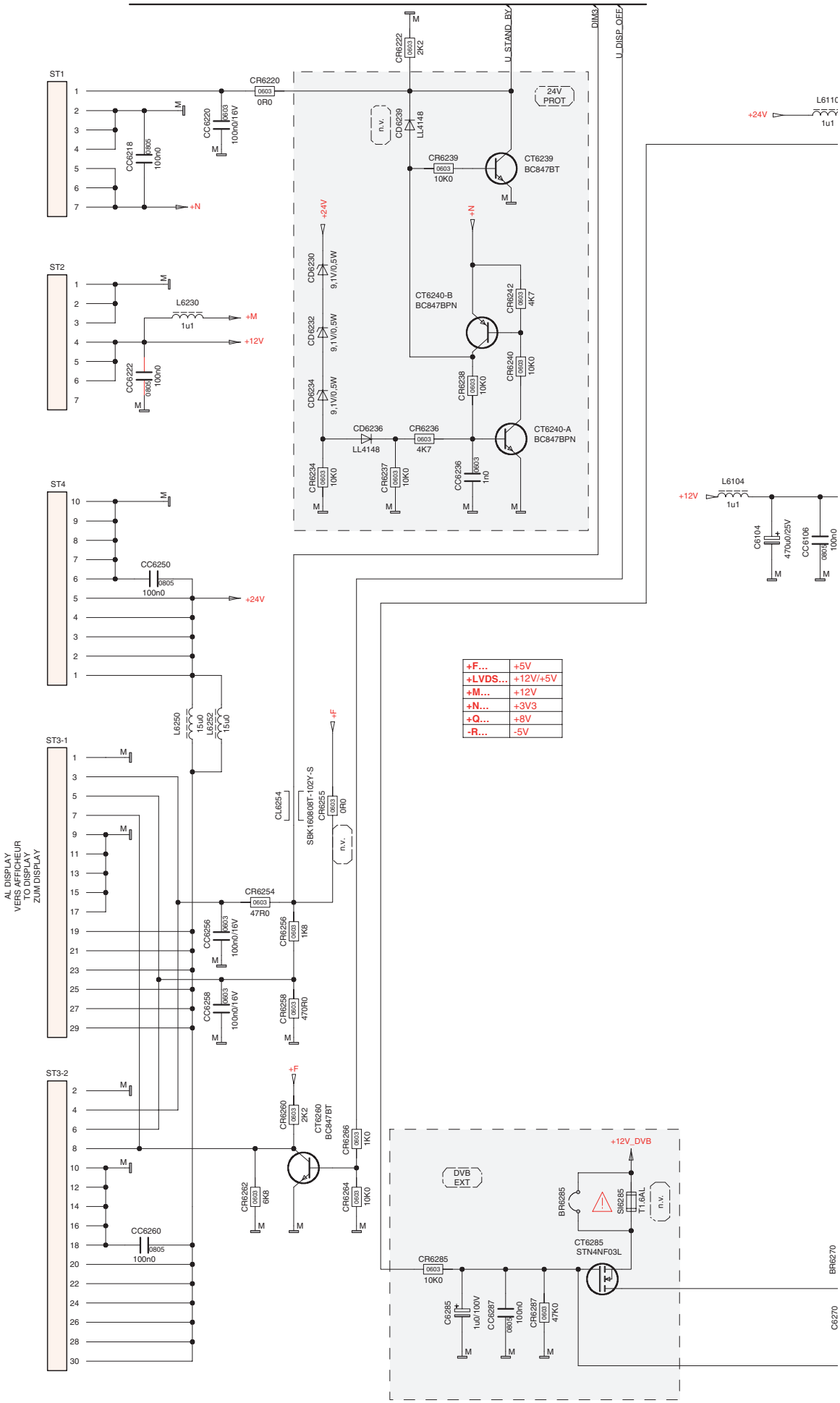
Hauptplatte / Main Board – IN/OUT



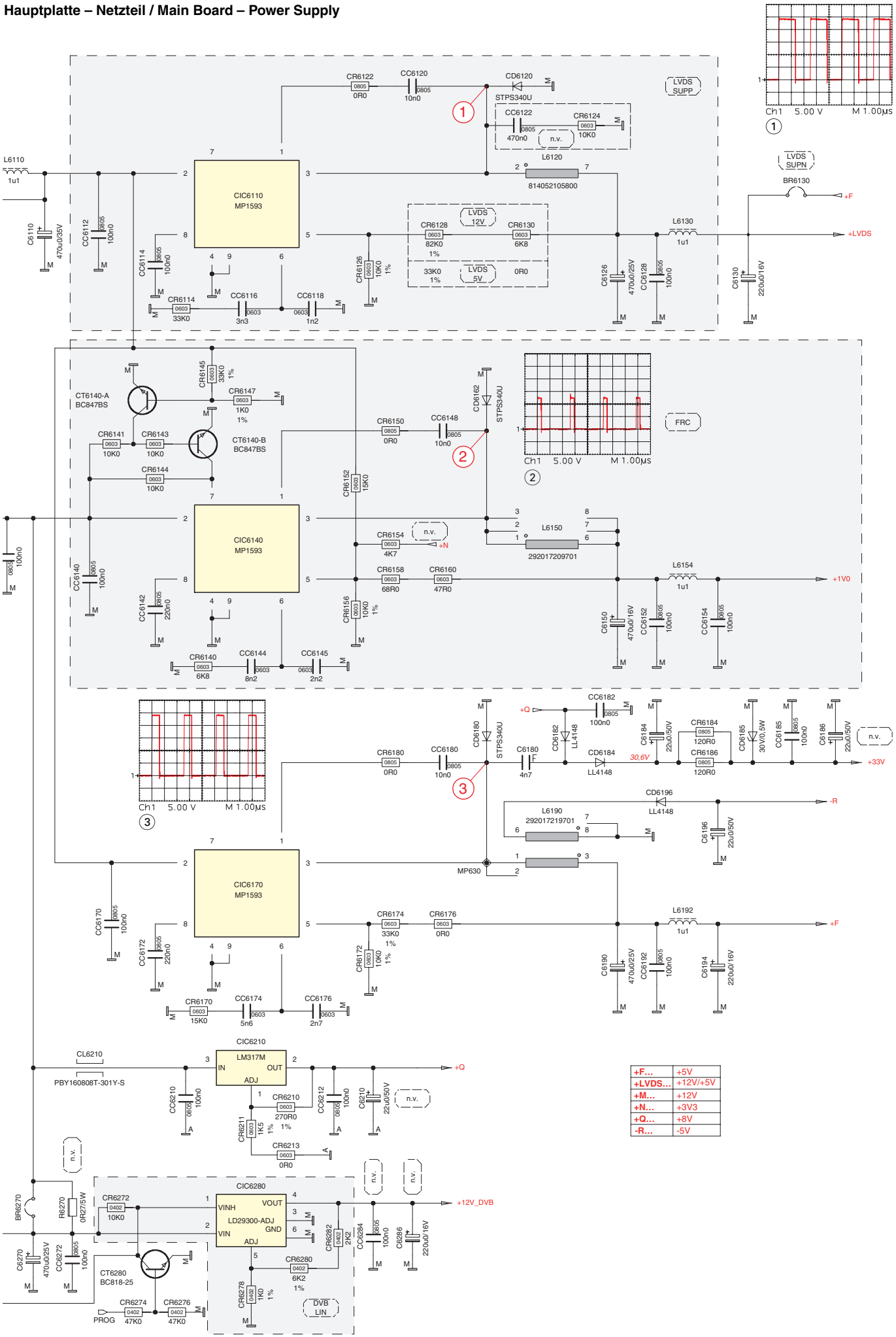
Hauptplatte / Main Board – IN/OUT



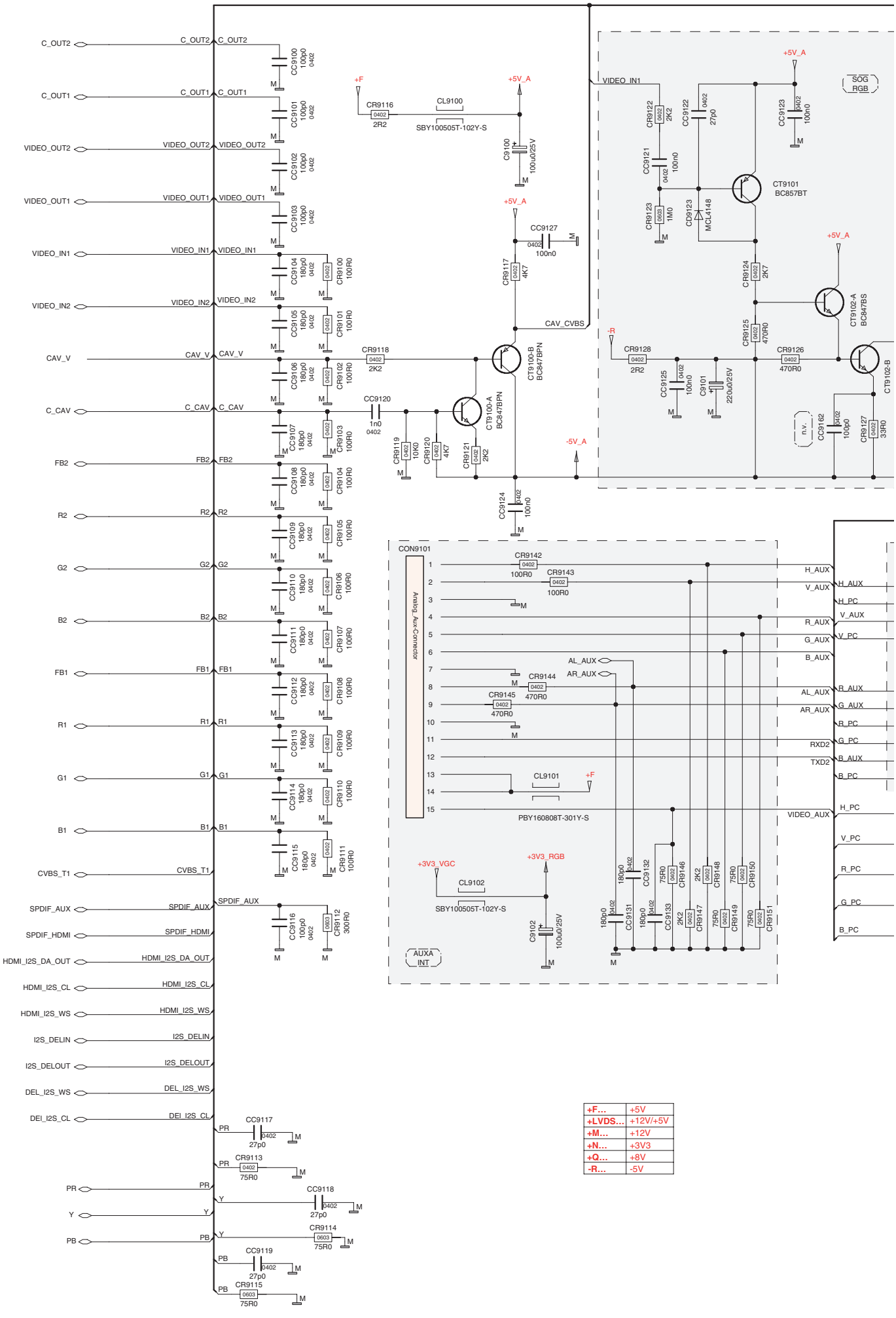
Hauptplatte – Netzteil / Main Board – Power Supply



Hauptplatte – Netzteil / Main Board – Power Supply

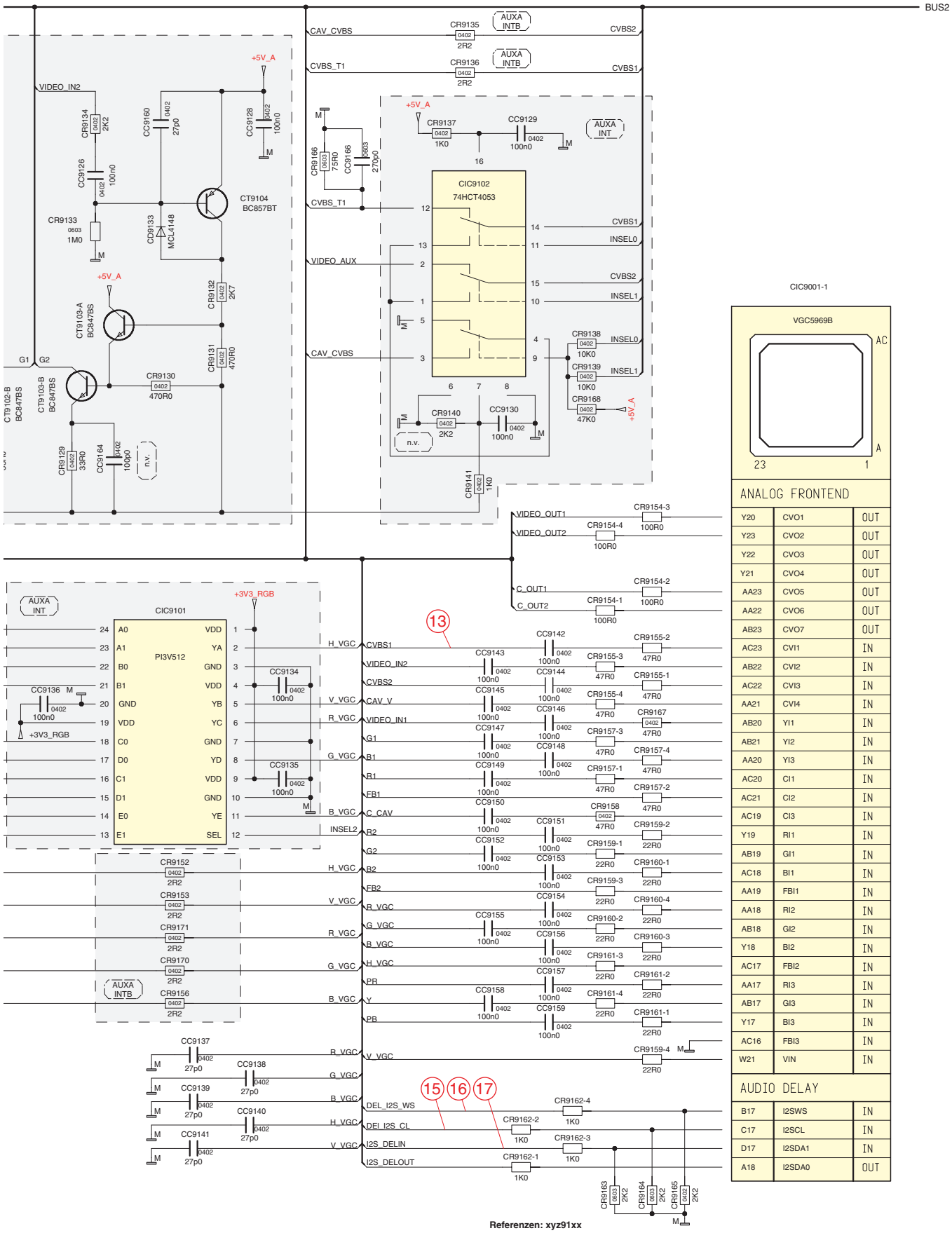


Hauptplatte – Scaler-Eingang / Main Board – Scaler-Input (VGC5969B)



+F...	+5V
+LVDS...	+12V/+5V
+M...	+12V
+N...	+3V3
+Q...	+8V
-R...	-5V

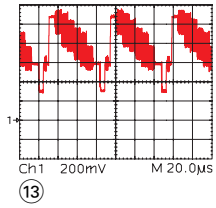
Hauptplatte – Scaler-Eingang / Main Board – Scaler-Input (VGC5969B)



Referenzen: xyz91xx

CIC9001-1

ANALOG FRONTEND		
Y20	CVO1	OUT
Y23	CVO2	OUT
Y22	CVO3	OUT
Y21	CVO4	OUT
AA23	CVO5	OUT
AA22	CVO6	OUT
AB23	CVO7	OUT
AC23	CVI1	IN
AB22	CVI2	IN
AC22	CVI3	IN
AA21	CVI4	IN
AB20	YI1	IN
AB21	YI2	IN
AA20	YI3	IN
AC20	CI1	IN
AC21	CI2	IN
AC19	CI3	IN
Y19	RI1	IN
AB19	GI1	IN
AC18	BI1	IN
AA19	FBI1	IN
AA18	RI2	IN
AB18	GI2	IN
Y18	BI2	IN
AC17	FBI2	IN
AA17	RI3	IN
AB17	GI3	IN
Y17	BI3	IN
AC16	FBI3	IN
W21	VIN	IN
AUDIO DELAY		
B17	I2SWS	IN
C17	I2SCL	IN
D17	I2SDA1	IN
A18	I2SDA0	OUT



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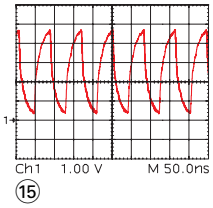

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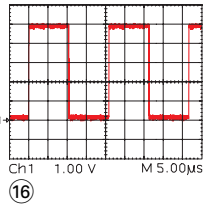

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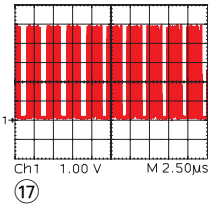
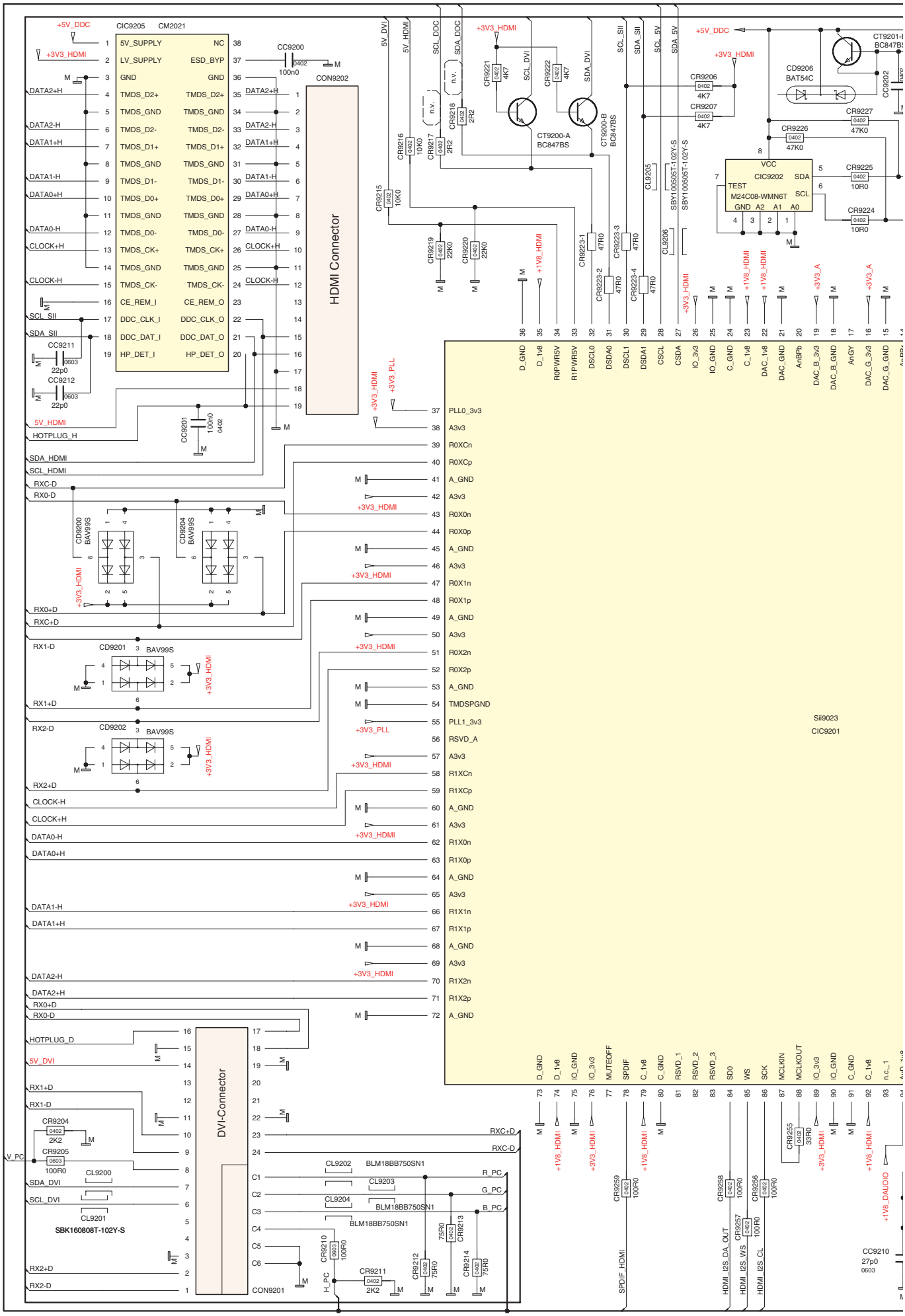


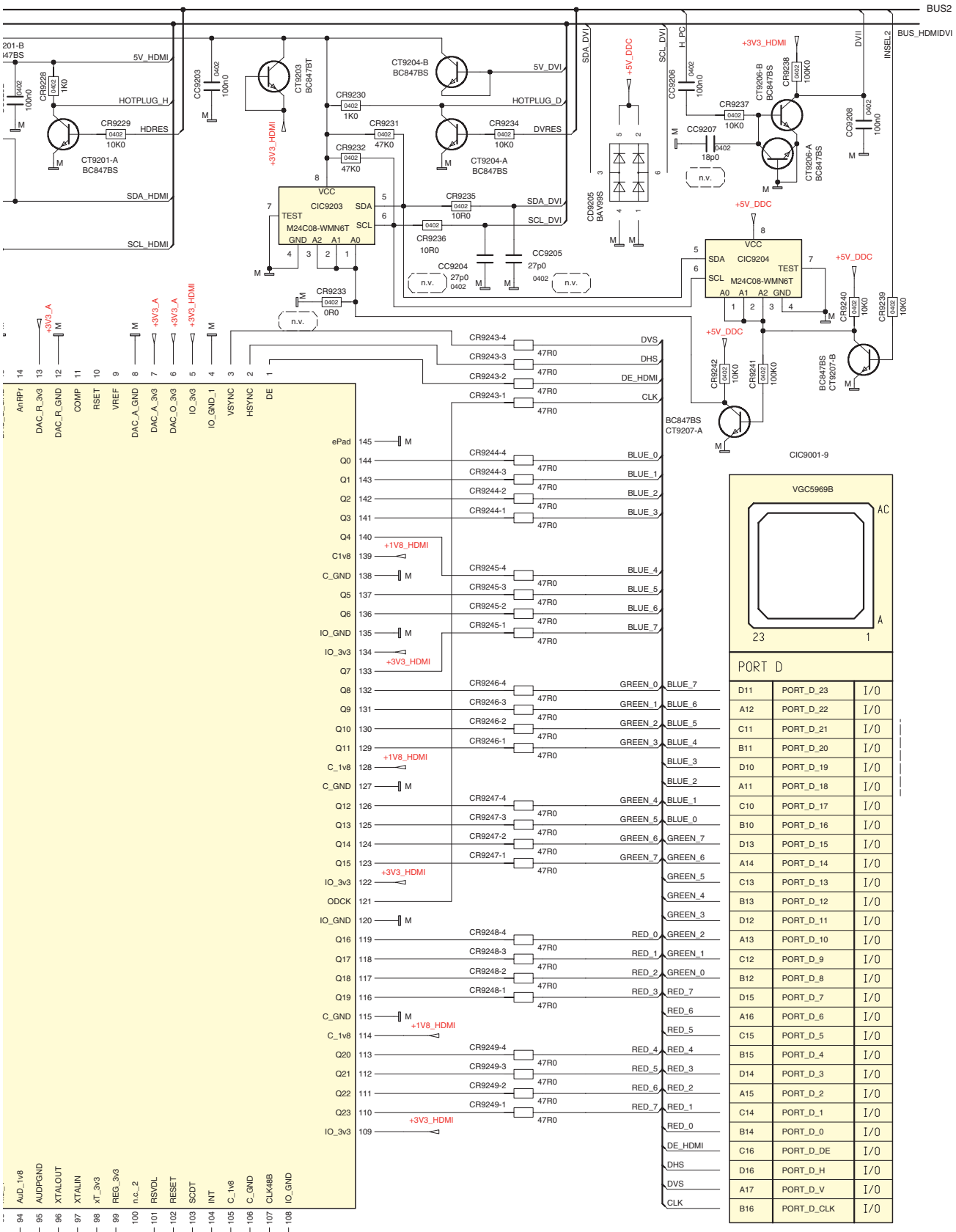
17

+F...	+5V
+LVDS...	+12V/+5V
+M...	+12V
+N...	+3V3
+Q...	+8V
-R...	-5V

Hauptplatte – Scaler/HDCP-Decoder / Main Board – Scaler/HDCP-Decoder (VGC5969B/Sii9023)



Hauptplatte – Scaler/HDCP-Decoder / Main Board – Scaler/HDCP-Decoder (VGC5969B/Sii9023)

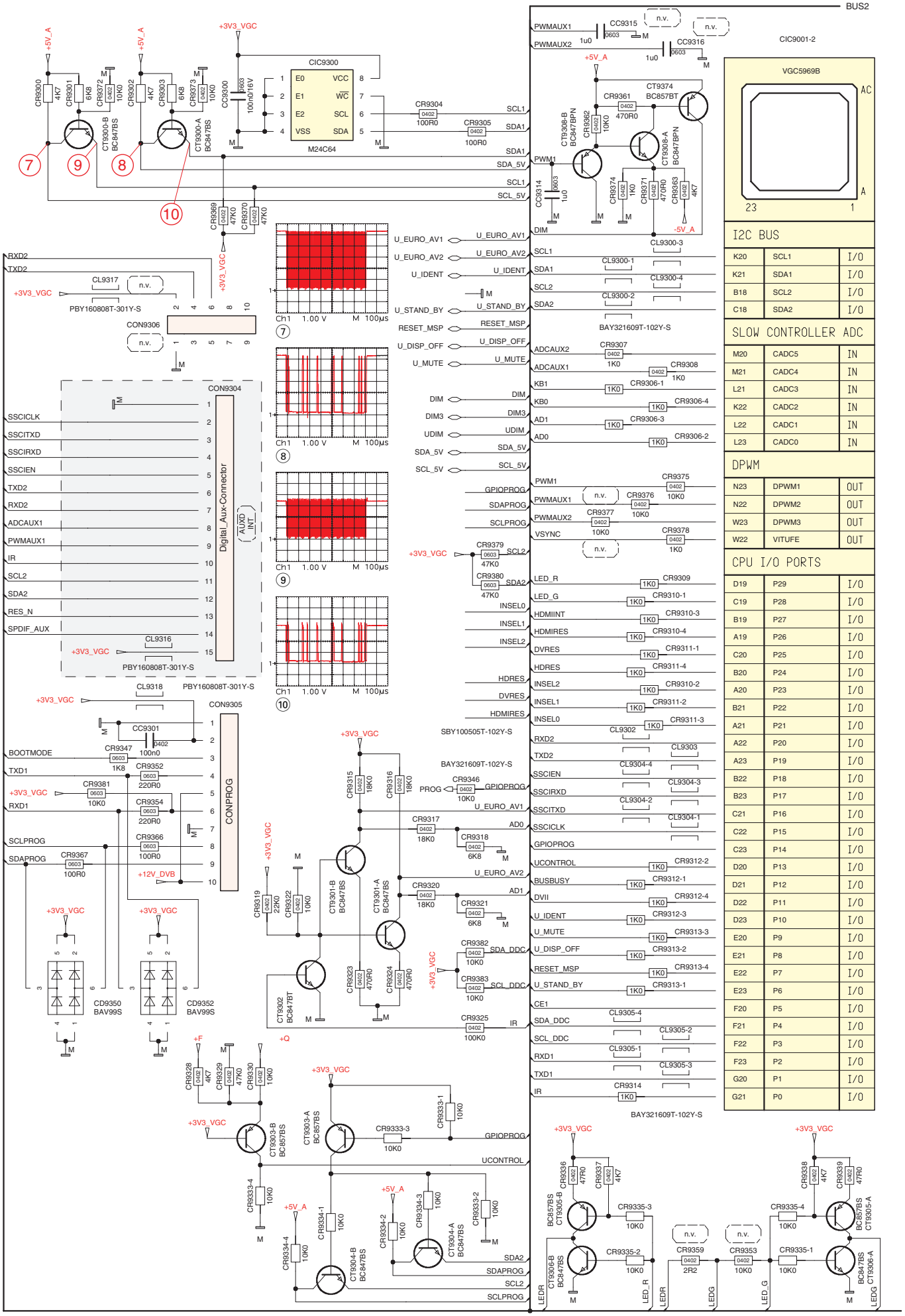


Spannungsversorgung auf Seite 2-34

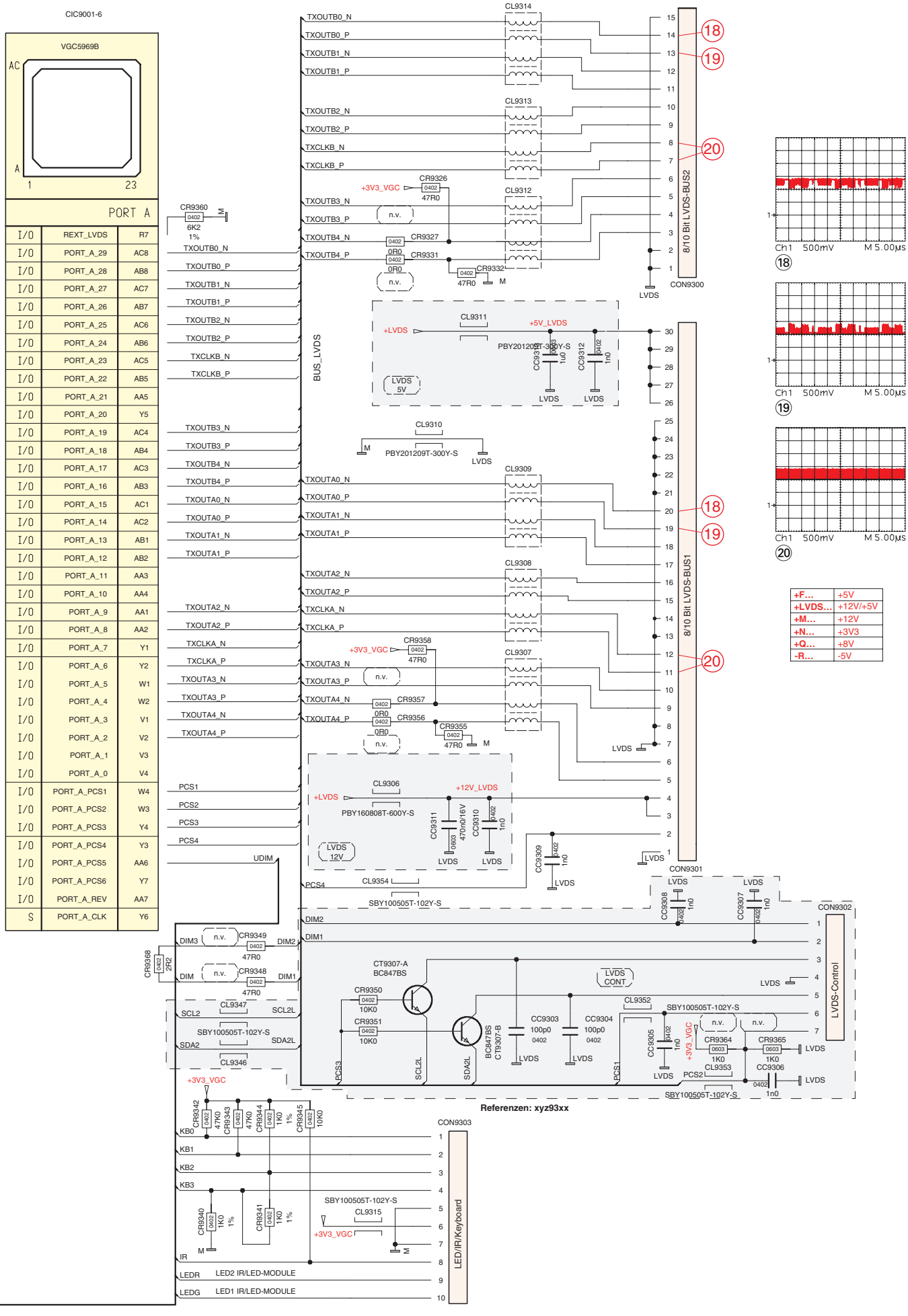
Supply page 2-34

Referenzen: xyz92xx

Hauptplatte – Scaler-CPU / Main Board – Scaler-CPU (VGC5969B)

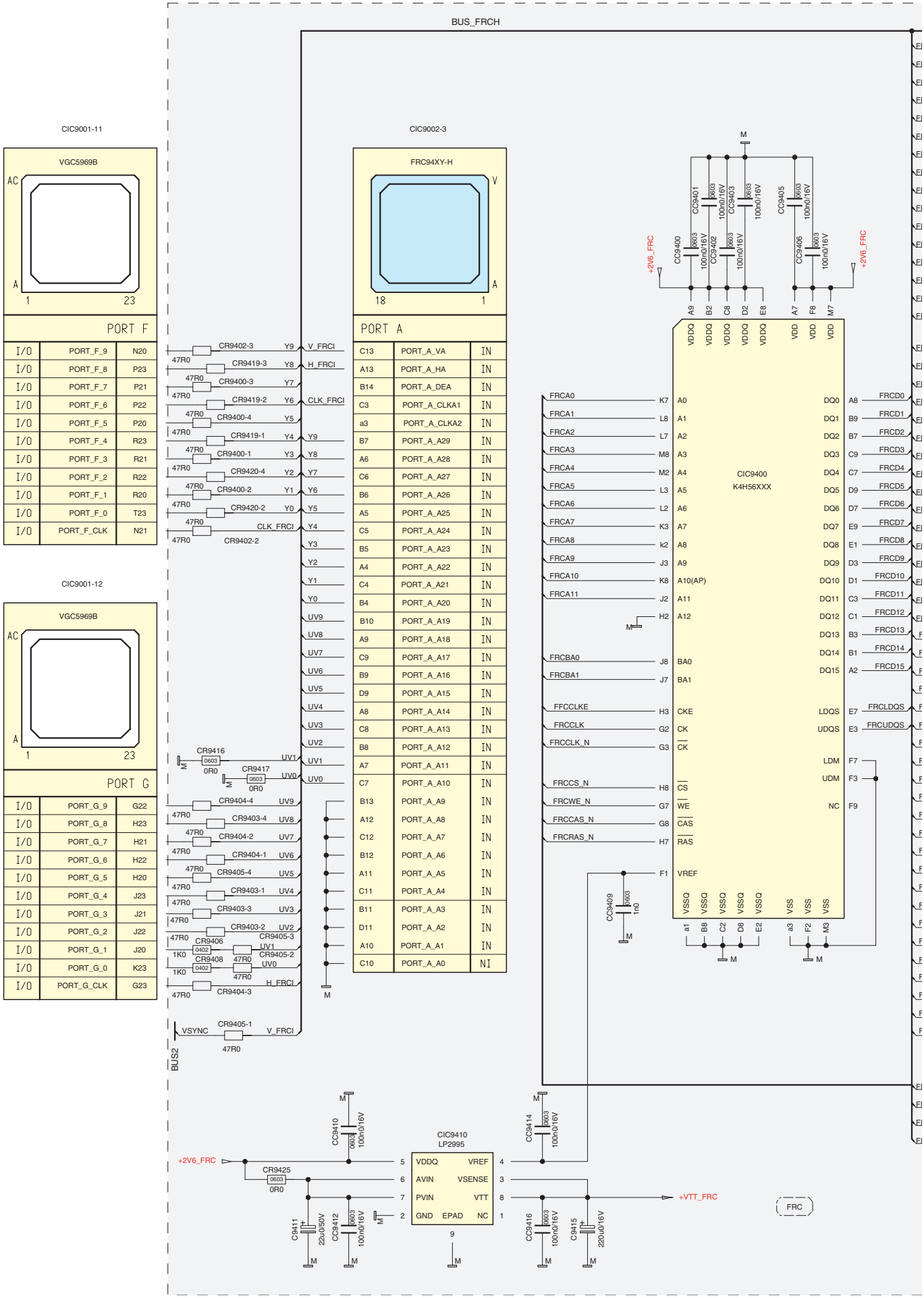


Hauptplatte / Main Board – Scaler-Display (VGC5969B)

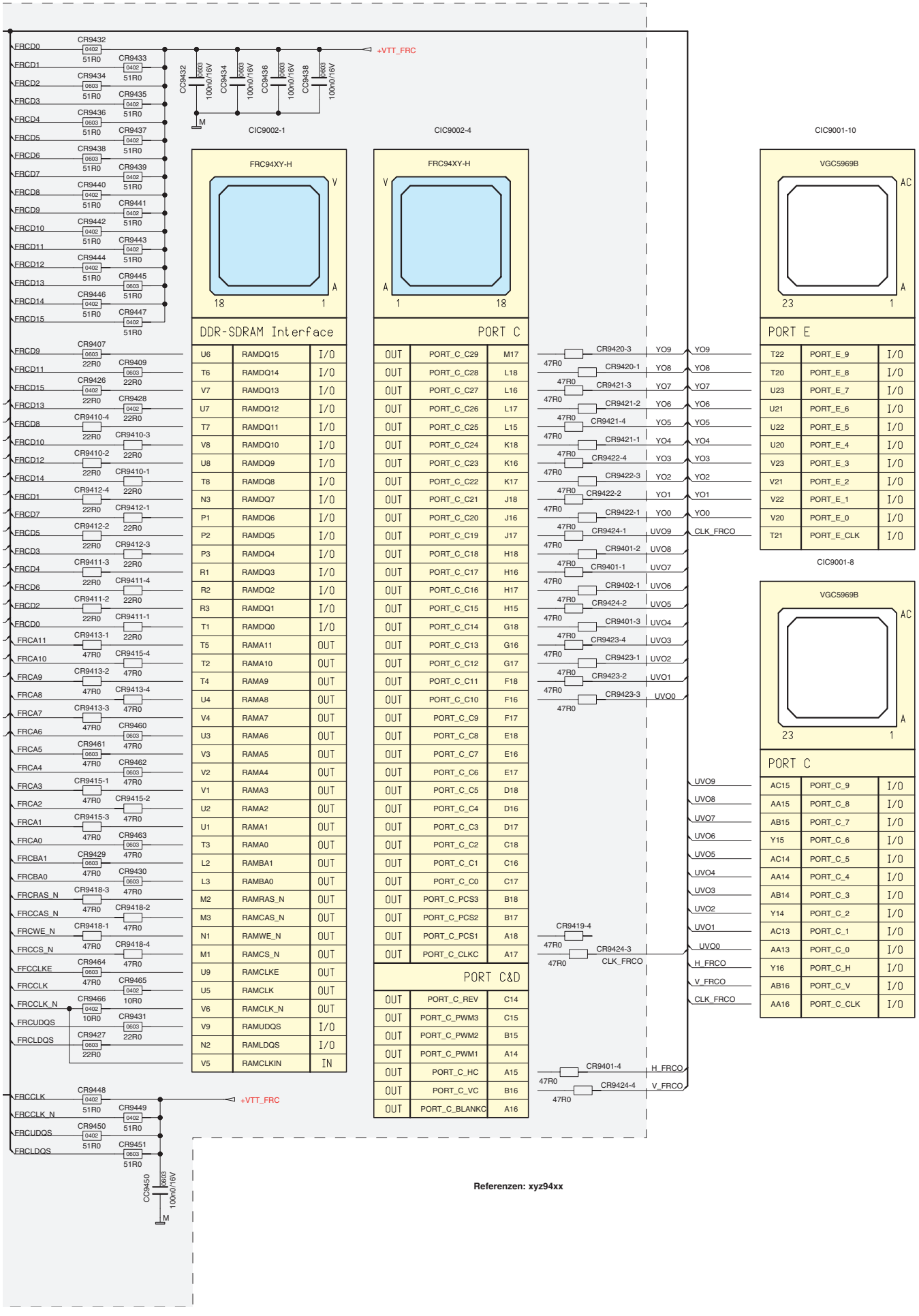


Referenzen: xyz93xx

Hauptplatte / Main Board – Scaler/FRC (VGC5969B/FRC94…)



Hauptplatte / Main Board – Scaler/FRC (VGC5969B/FRC94…)



U6	RAMDQ15	I/O
T6	RAMDQ14	I/O
V7	RAMDQ13	I/O
U7	RAMDQ12	I/O
T7	RAMDQ11	I/O
V8	RAMDQ10	I/O
U8	RAMDQ9	I/O
T8	RAMDQ8	I/O
N3	RAMDQ7	I/O
P1	RAMDQ6	I/O
P2	RAMDQ5	I/O
P3	RAMDQ4	I/O
R1	RAMDQ3	I/O
R2	RAMDQ2	I/O
R3	RAMDQ1	I/O
T1	RAMDQ0	I/O
T5	RAMA11	OUT
T2	RAMA10	OUT
T4	RAMA9	OUT
U4	RAMA8	OUT
V4	RAMA7	OUT
U3	RAMA6	OUT
V3	RAMA5	OUT
V2	RAMA4	OUT
V1	RAMA3	OUT
U2	RAMA2	OUT
U1	RAMA1	OUT
T3	RAMA0	OUT
L2	RAMBA1	OUT
L3	RAMBA0	OUT
M2	RAMRAS_N	OUT
M3	RAMCAS_N	OUT
N1	RAMWE_N	OUT
M1	RAMCS_N	OUT
U9	RAMCLKE	OUT
U5	RAMCLK	OUT
V6	RAMCLK_N	OUT
V9	RAMUDQS	I/O
N2	RAMLDQS	I/O
V5	RAMCLKIN	IN

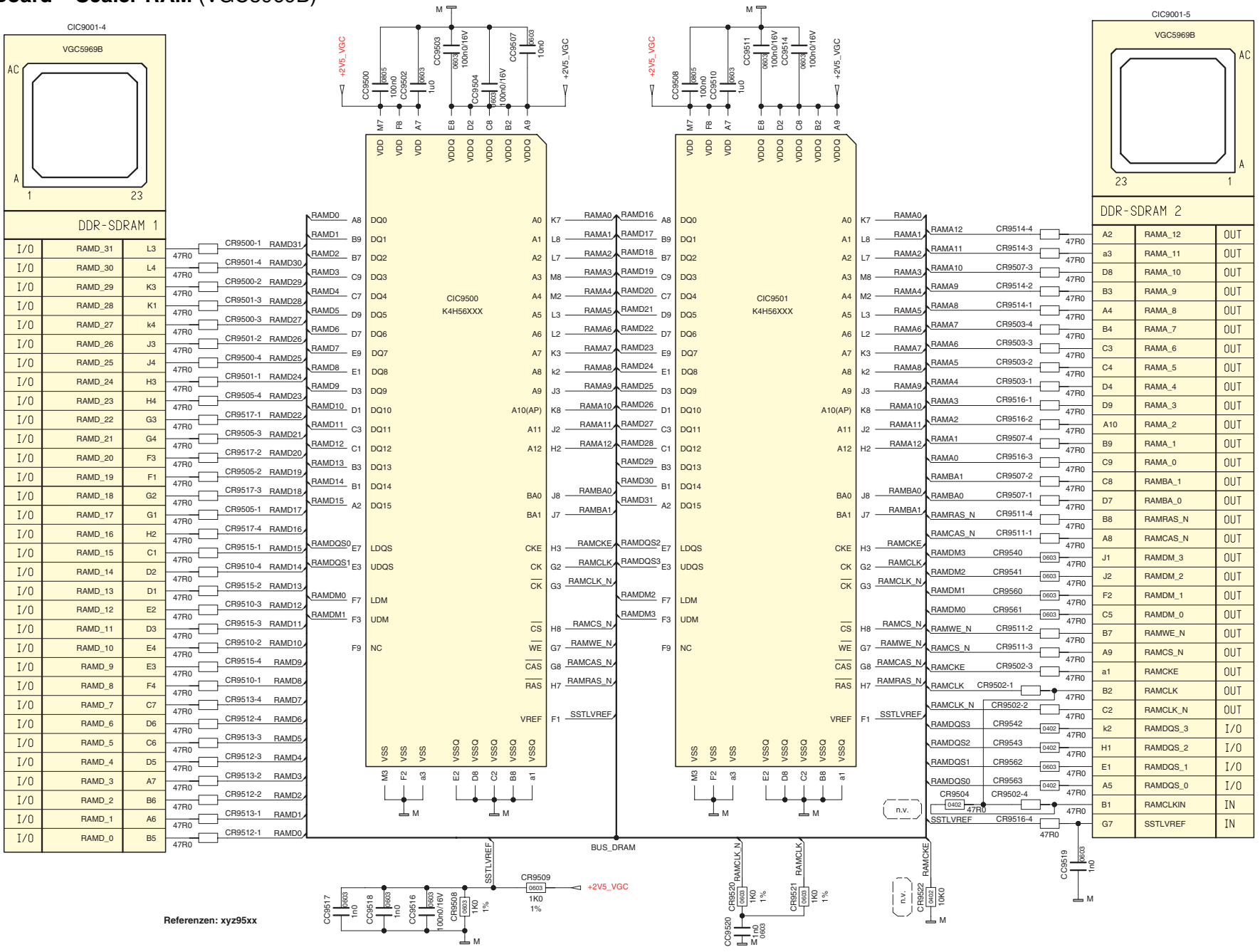
OUT	PORT_C_C29	M17
OUT	PORT_C_C28	L18
OUT	PORT_C_C27	L16
OUT	PORT_C_C26	L17
OUT	PORT_C_C25	L15
OUT	PORT_C_C24	K18
OUT	PORT_C_C23	K16
OUT	PORT_C_C22	K17
OUT	PORT_C_C21	J18
OUT	PORT_C_C20	J16
OUT	PORT_C_C19	J17
OUT	PORT_C_C18	H18
OUT	PORT_C_C17	H16
OUT	PORT_C_C16	H17
OUT	PORT_C_C15	H15
OUT	PORT_C_C14	G18
OUT	PORT_C_C13	G16
OUT	PORT_C_C12	G17
OUT	PORT_C_C11	F18
OUT	PORT_C_C10	F16
OUT	PORT_C_C9	F17
OUT	PORT_C_C8	E18
OUT	PORT_C_C7	E16
OUT	PORT_C_C6	E17
OUT	PORT_C_C5	D18
OUT	PORT_C_C4	D16
OUT	PORT_C_C3	D17
OUT	PORT_C_C2	C18
OUT	PORT_C_C1	C16
OUT	PORT_C_C0	C17
OUT	PORT_C_PCS3	B18
OUT	PORT_C_PCS2	B17
OUT	PORT_C_PCS1	A18
OUT	PORT_C_CLKC	A17

OUT	PORT_C_REV	C14
OUT	PORT_C_PWM3	C15
OUT	PORT_C_PWM2	B15
OUT	PORT_C_PWM1	A14
OUT	PORT_C_HC	A15
OUT	PORT_C_VC	B16
OUT	PORT_C_BLANKC	A16

T22	PORT_E_9	I/O
T20	PORT_E_8	I/O
U23	PORT_E_7	I/O
U21	PORT_E_6	I/O
U22	PORT_E_5	I/O
U20	PORT_E_4	I/O
V23	PORT_E_3	I/O
V21	PORT_E_2	I/O
V22	PORT_E_1	I/O
V20	PORT_E_0	I/O
T21	PORT_E_CLK	I/O

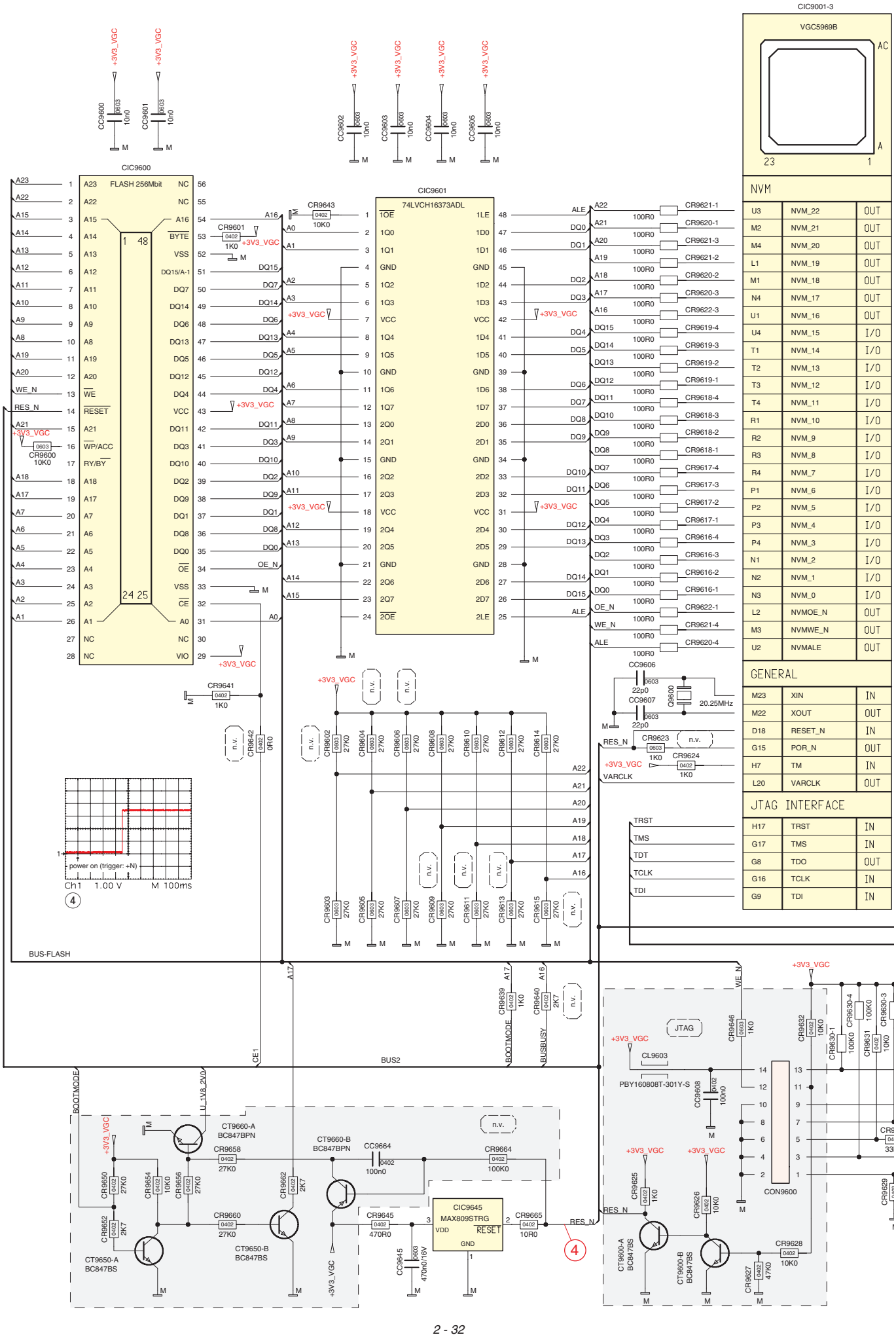
AC15	PORT_C_9	I/O
AA15	PORT_C_8	I/O
AB15	PORT_C_7	I/O
Y15	PORT_C_6	I/O
AC14	PORT_C_5	I/O
AA14	PORT_C_4	I/O
AB14	PORT_C_3	I/O
Y14	PORT_C_2	I/O
AC13	PORT_C_1	I/O
AA13	PORT_C_0	I/O
Y16	PORT_C_H	I/O
AB16	PORT_C_V	I/O
AA16	PORT_C_CLK	I/O

Hauptplatte / Main Board – Scaler-RAM (VGC5969B)

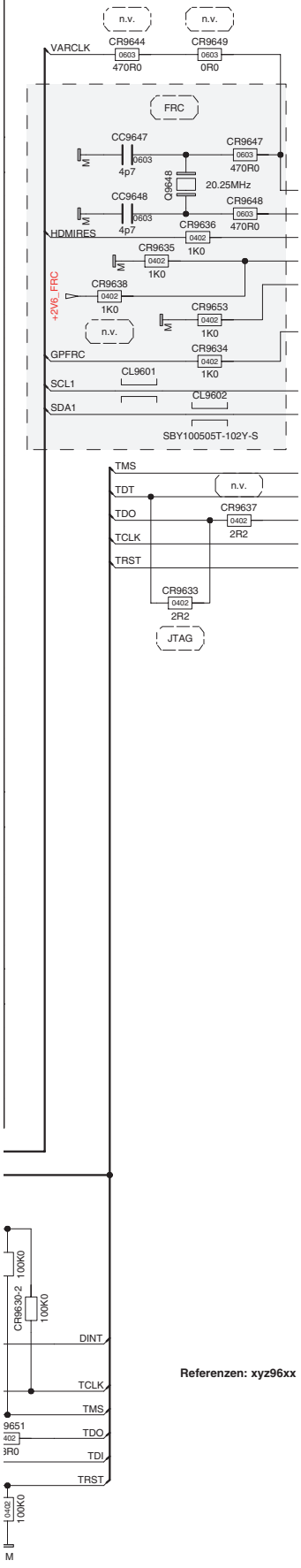


Referenzen: xyz95xx

Hauptplatte / Main Board – Scaler-Flash (VGC5969B)



Hauptplatte / Main Board – Scaler-Flash (VGC5969B)



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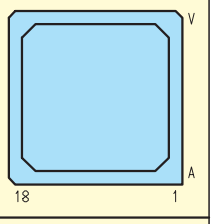
CIC9002-2

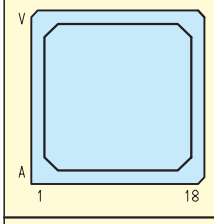
FRC94XY-H



GENERAL		
C2	XIN	IN
C1	XOUT	OUT
U10	RESET_N	IN
M16	TM	IN
T10	RX	IN
V10	TX	OUT
T9	GPIO	I/O
I2C BUS		
L1	SCL	I/O
k2	SDA	I/O
JTAG Interface		
B1	TMS	IN
a1	TDI	IN
B2	TDO	OUT
A2	TCLK	IN
B3	TRST	IN
PORT B		
F1	PORT_B_B15	IN
F3	PORT_B_B14	IN
F2	PORT_B_B13	IN
G1	PORT_B_B12	IN
G3	PORT_B_B11	IN
G2	PORT_B_B10	IN
G4	PORT_B_B9	IN
H1	PORT_B_B8	IN
H3	PORT_B_B7	IN
H2	PORT_B_B6	IN
J1	PORT_B_B5	IN
J3	PORT_B_B4	IN
J2	PORT_B_B3	IN
J4	PORT_B_B2	IN
K1	PORT_B_B1	IN
K3	PORT_B_B0	IN
E2	PORT_B_VB	OUT
E3	PORT_B_HB	OUT
E1	PORT_B_FB	IN
D3	PORT_B_HC1	IN
D2	PORT_B_HC0	IN
D1	PORT_B_CLKB	OUT

CIC9002-5

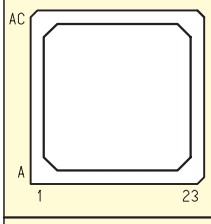
FRC94XY-H



PORT D		
OUT	PORT_D_D29	T12
OUT	PORT_D_D28	U12
OUT	PORT_D_D27	V13
OUT	PORT_D_D26	T13
OUT	PORT_D_D25	U13
OUT	PORT_D_D24	V14
OUT	PORT_D_D23	T14
OUT	PORT_D_D22	U14
OUT	PORT_D_D21	V15
OUT	PORT_D_D20	T15
OUT	PORT_D_D19	U15
OUT	PORT_D_D18	V16
OUT	PORT_D_D17	T16
OUT	PORT_D_D16	U16
OUT	PORT_D_D15	V17
OUT	PORT_D_D14	U17
OUT	PORT_D_D13	V18
OUT	PORT_D_D12	U18
OUT	PORT_D_D11	T18
OUT	PORT_D_D10	T17
OUT	PORT_D_D9	R18
OUT	PORT_D_D8	R16
OUT	PORT_D_D7	R17
OUT	PORT_D_D6	P18
OUT	PORT_D_D5	P16
OUT	PORT_D_D4	P17
OUT	PORT_D_D3	N18
OUT	PORT_D_D2	N16
OUT	PORT_D_D1	N17
OUT	PORT_D_D0	M18
OUT	PORT_D_PCS4	V12
OUT	PORT_D_PCS5	U11
OUT	PORT_D_PCS6	T11
OUT	PORT_D_CLKD	V11

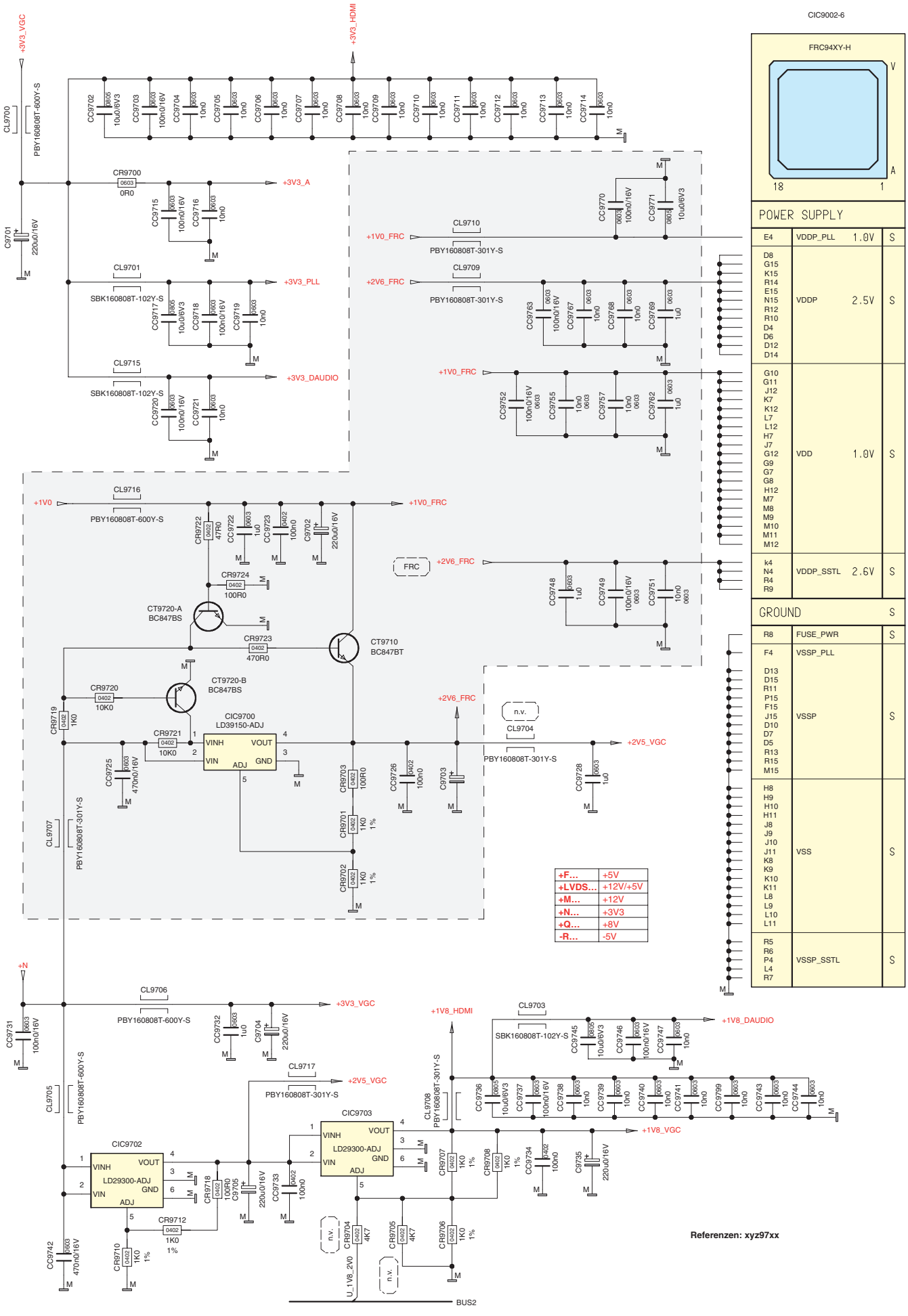
CIC9001-7

VGC5969B



PORT B		
I/O	PORT_B_16	AB13
I/O	PORT_B_15	Y13
I/O	PORT_B_14	AA12
I/O	PORT_B_13	AC12
I/O	PORT_B_12	Y12
I/O	PORT_B_11	AB12
I/O	PORT_B_10	AA11
I/O	PORT_B_9	AC11
I/O	PORT_B_8	Y11
I/O	PORT_B_7	Y10
I/O	PORT_B_6	AB10
I/O	PORT_B_5	AA9
I/O	PORT_B_4	AC9
I/O	PORT_B_3	Y9
I/O	PORT_B_2	AB9
I/O	PORT_B_1	AA8
I/O	PORT_B_0	Y8
I/O	PORT_B_H	AC10
I/O	PORT_B_V	AB11
I/O	PORT_B_CLK	AA10

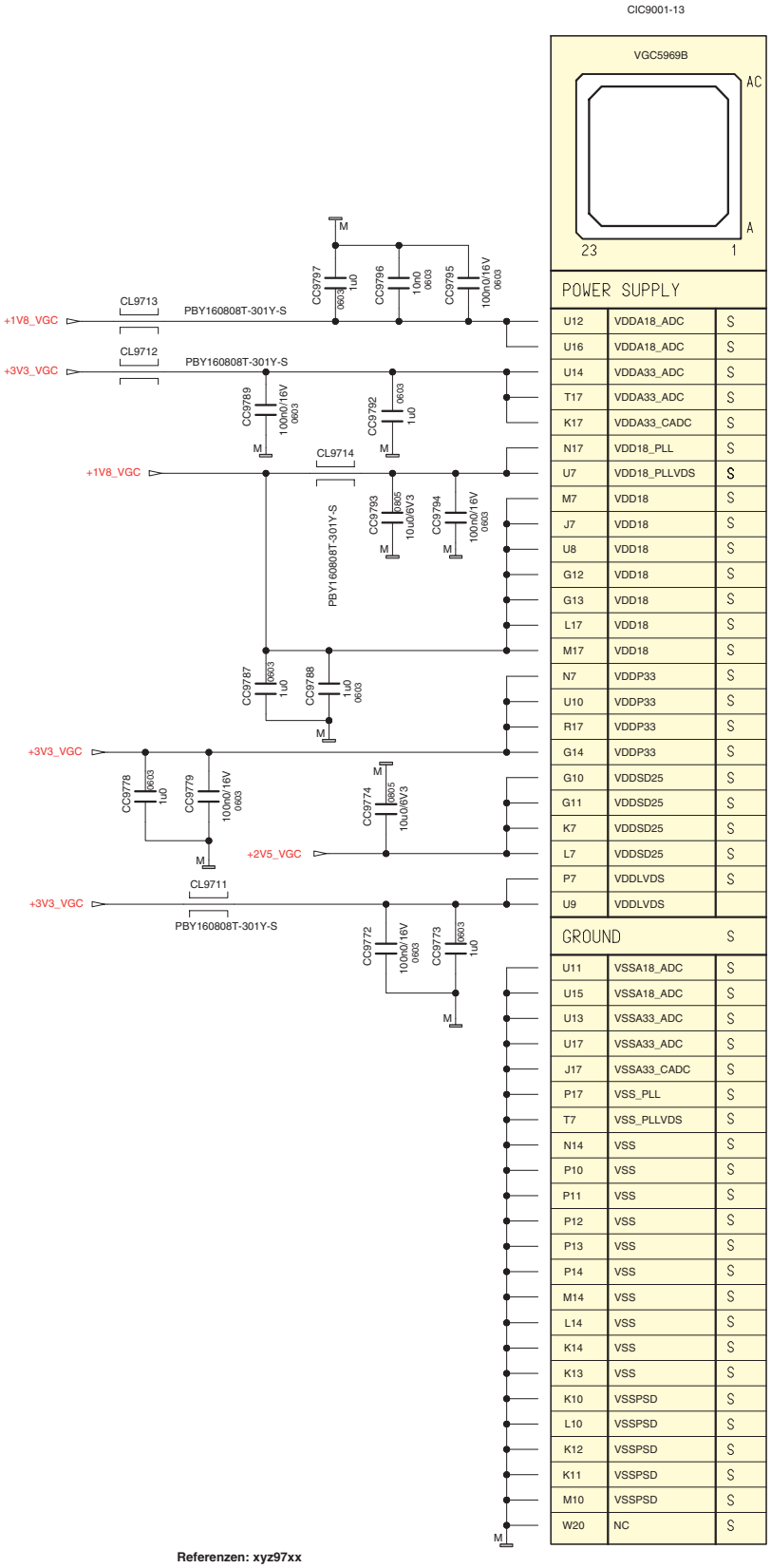
Hauptplatte – Scaler-Netzteil / Main Board – Scaler Power Supply (VGC5969B)



E4	VDDP_PLL	1.0V	S
D8 G15 K15 R14 E15 N15 R12 R10 D4 D6 D12 D14	VDDP	2.5V	S
G10 G11 J12 K7 K12 L7 L12 H7 J7 G12 G9 G7 G8 H12 M7 M8 M9 M10 M11 M12	VDD	1.0V	S
k4 N4 R4 R9	VDDP_SSTL	2.6V	S

R8	FUSE_PWR	S
F4 D13 D15 R11 P15 F15 J15 D10 D7 D5 R13 R15 M15	VSSP_PLL VSSP	S
H8 H9 H10 H11 J8 J9 J10 J11 K8 K9 K10 K11 L8 L9 L10 L11	VSS	S
R5 R6 P4 L4 R7	VSSP_SSTL	S

Hauptplatte – Scaler-Netzteil / Main Board – Scaler Power Supply (VGC5969B)

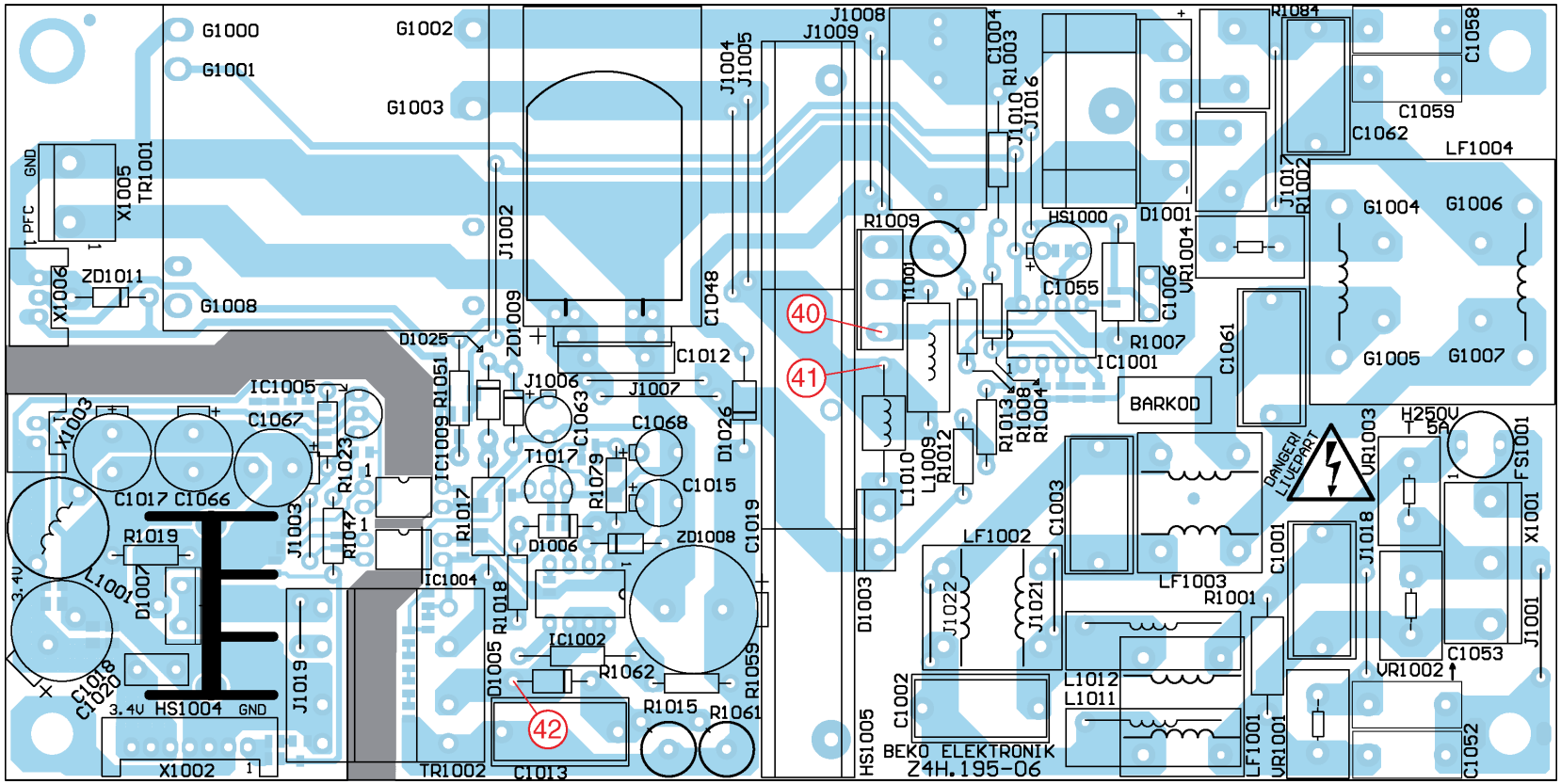


POWER SUPPLY		
U12	VDDA18_ADC	S
U16	VDDA18_ADC	S
U14	VDDA33_ADC	S
T17	VDDA33_ADC	S
K17	VDDA33_CADC	S
N17	VDD18_PLL	S
U7	VDD18_PLLVDS	S
M7	VDD18	S
J7	VDD18	S
U8	VDD18	S
G12	VDD18	S
G13	VDD18	S
L17	VDD18	S
M17	VDD18	S
N7	VDDP33	S
U10	VDDP33	S
R17	VDDP33	S
G14	VDDP33	S
G10	VDDSD25	S
G11	VDDSD25	S
K7	VDDSD25	S
L7	VDDSD25	S
P7	VDDLVDS	S
U9	VDDLVDS	
GROUND		S
U11	VSSA18_ADC	S
U15	VSSA18_ADC	S
U13	VSSA33_ADC	S
U17	VSSA33_ADC	S
J17	VSSA33_CADC	S
P17	VSS_PLL	S
T7	VSS_PLLVDS	S
N14	VSS	S
P10	VSS	S
P11	VSS	S
P12	VSS	S
P13	VSS	S
P14	VSS	S
M14	VSS	S
L14	VSS	S
K14	VSS	S
K13	VSS	S
K10	VSSPSD	S
L10	VSSPSD	S
K12	VSSPSD	S
K11	VSSPSD	S
M10	VSSPSD	S
W20	NC	S

Referenzen: xyz97xx

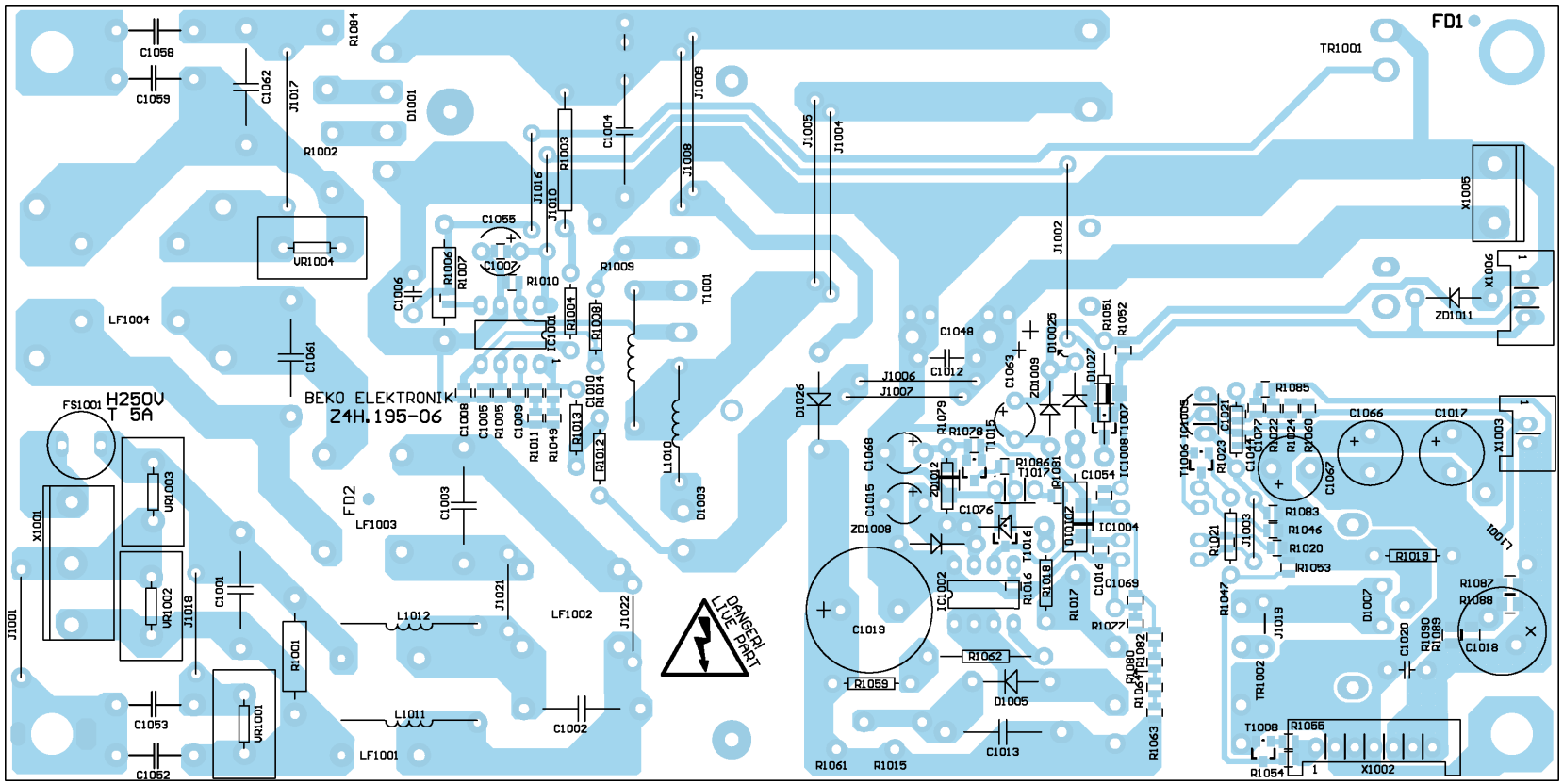
PFC-Platte / PFC Board Z4H195-6 (PSU3)

Ansicht von der Bestückungsseite / View of Component Side

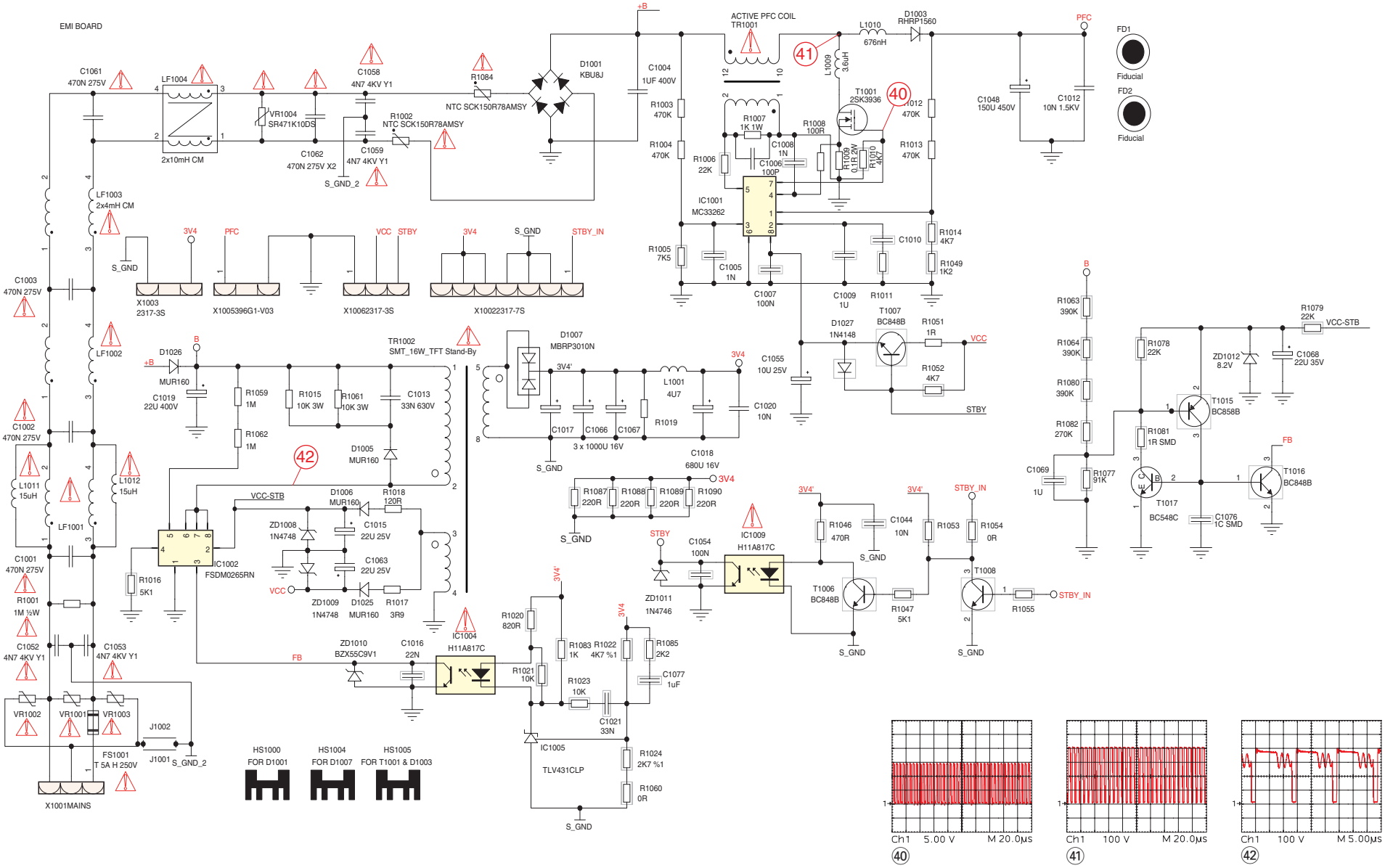


PFC-Platte / PFC Board Z4H195-6 (PSU3)

Ansicht von der Lötseite / View of Solder Side

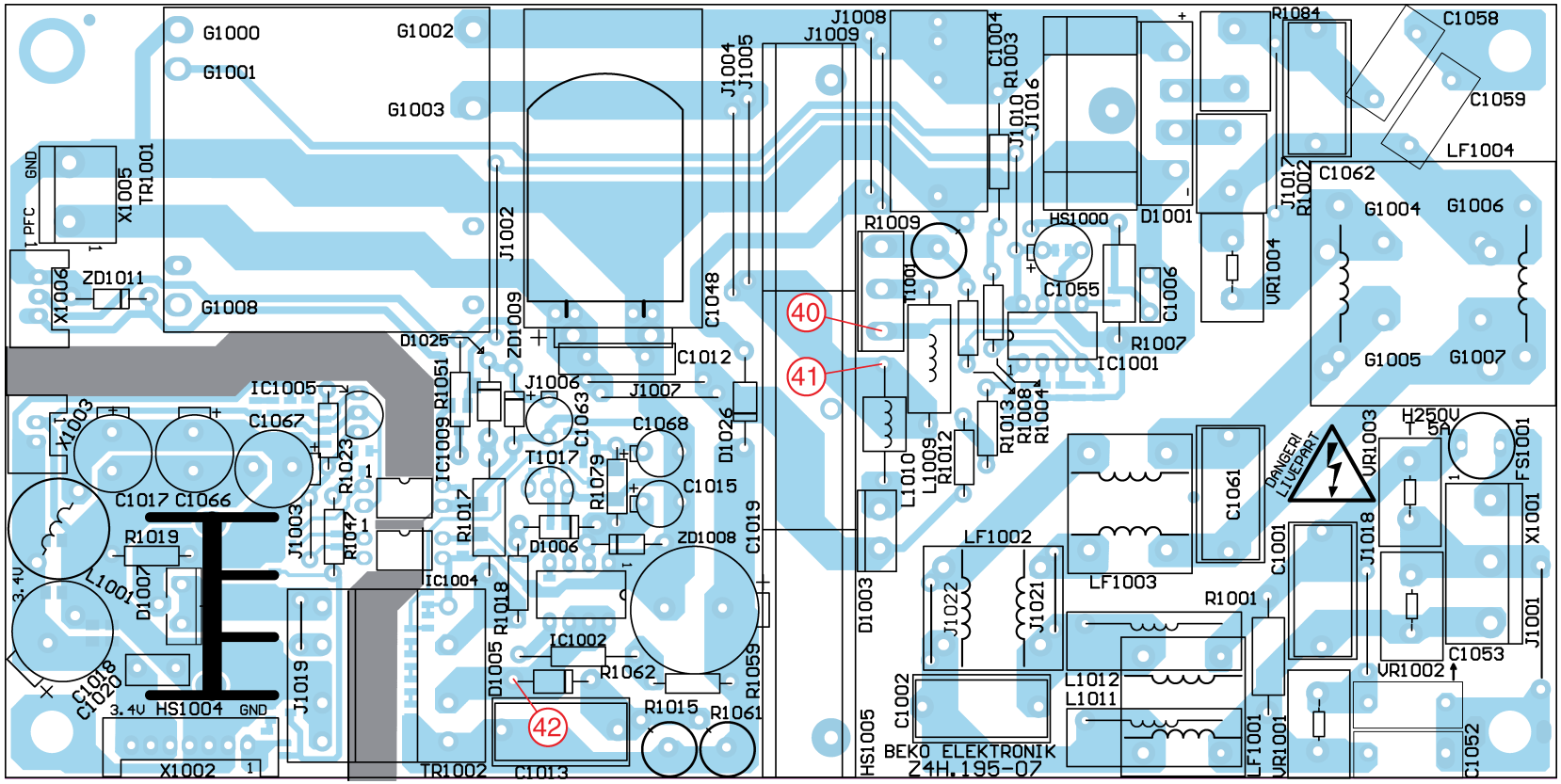


PFC-Platte / PFC Board Z4H195-6 (PSU3)



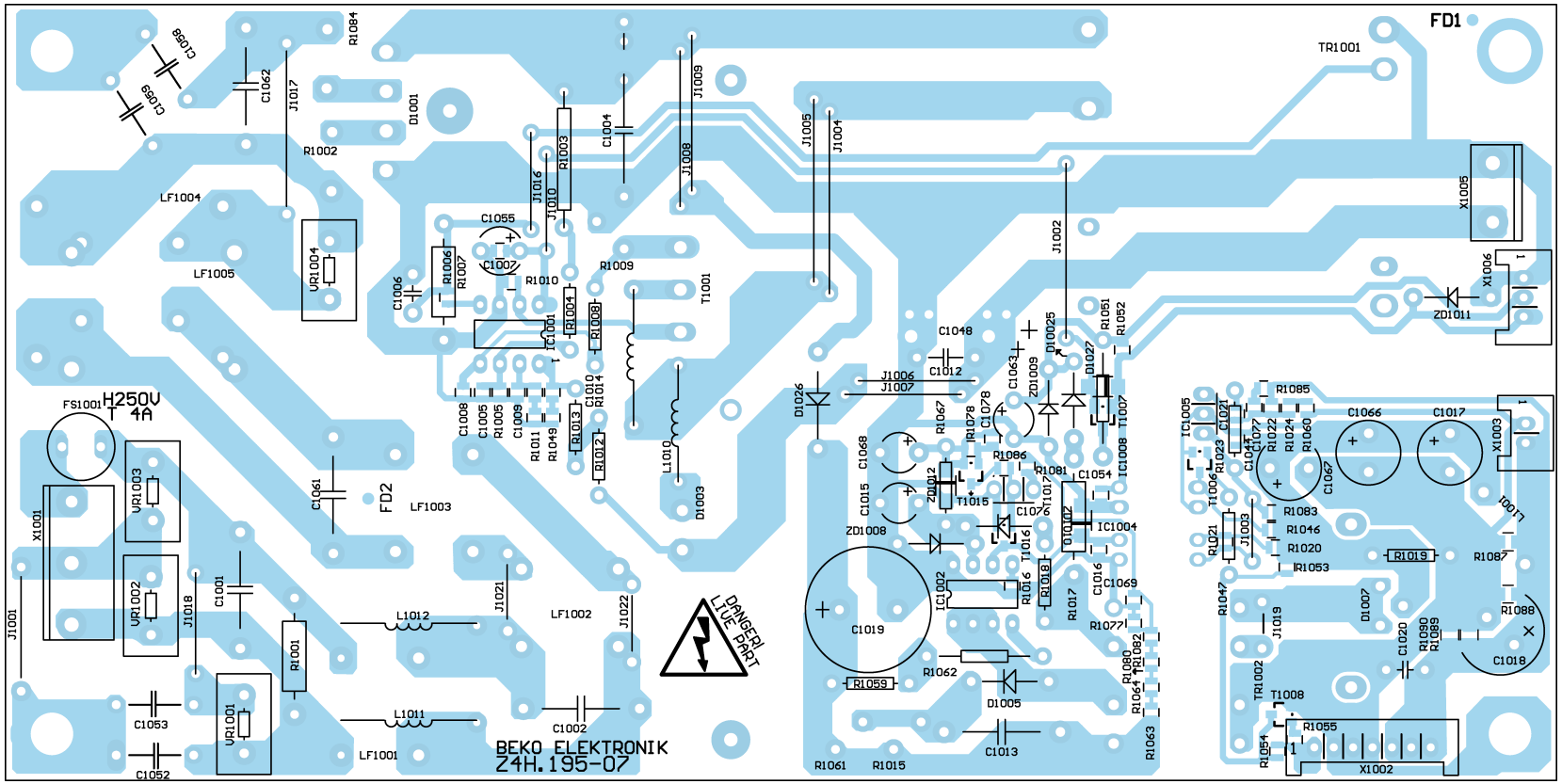
PFC-Platte / PFC Board Z4H195-7 (PSU3)

Ansicht von der Bestückungsseite / View of Component Side

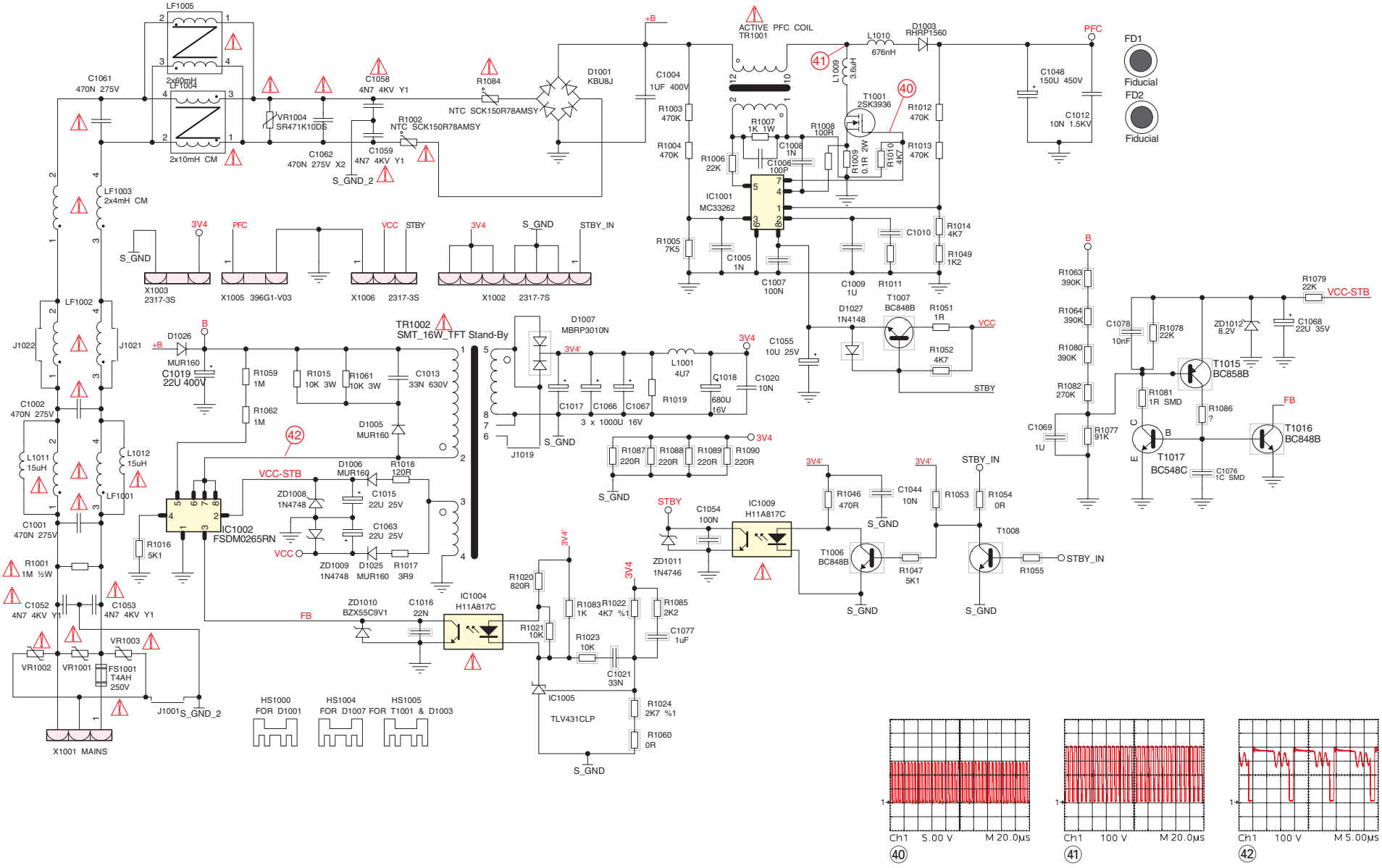


PFC-Platte / PFC Board Z4H195-7 (PSU3)

Ansicht von der Lötseite / View of Solder Side

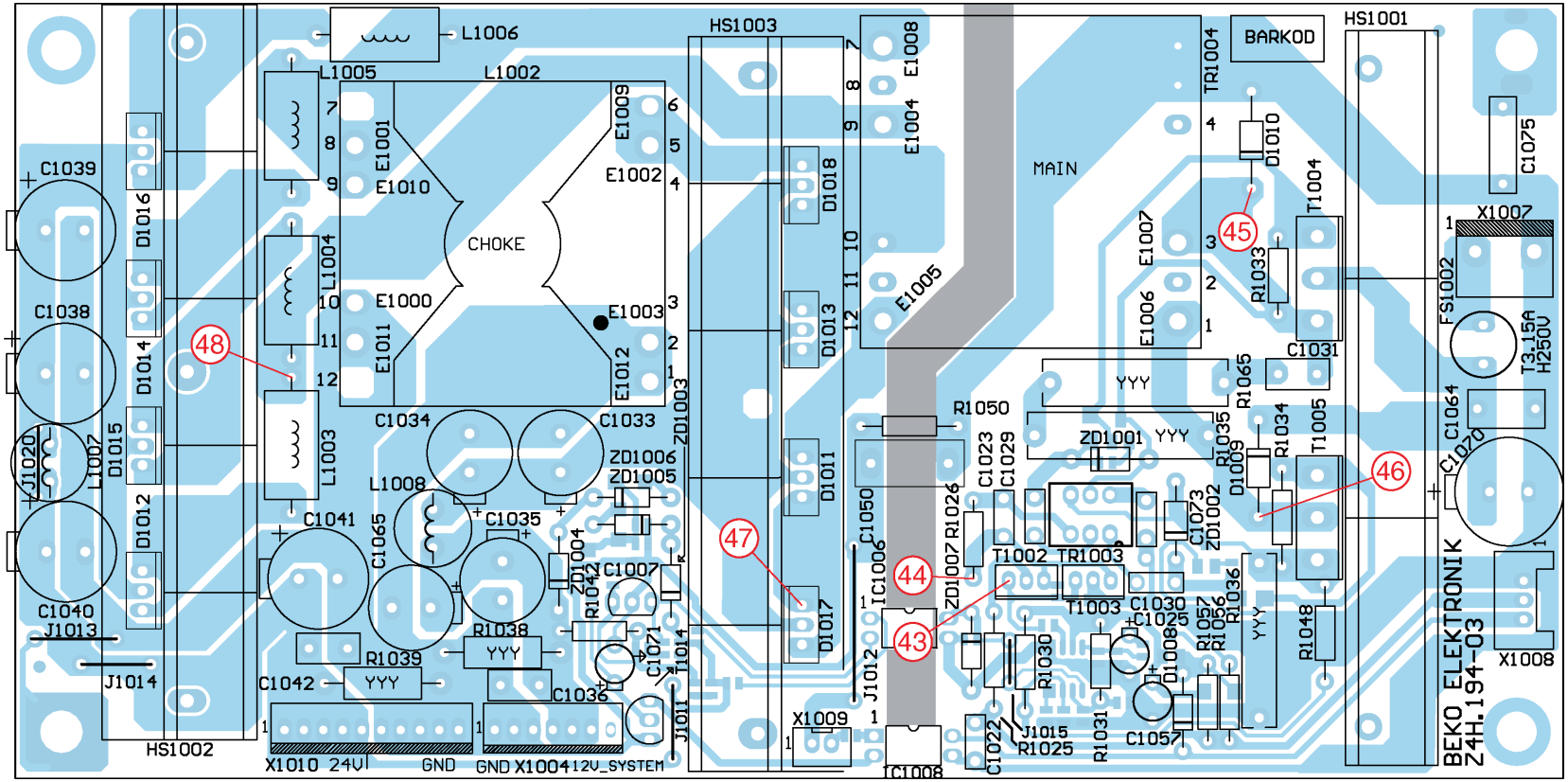


PFC-Platte / PFC Board Z4H195-7 (PSU3)



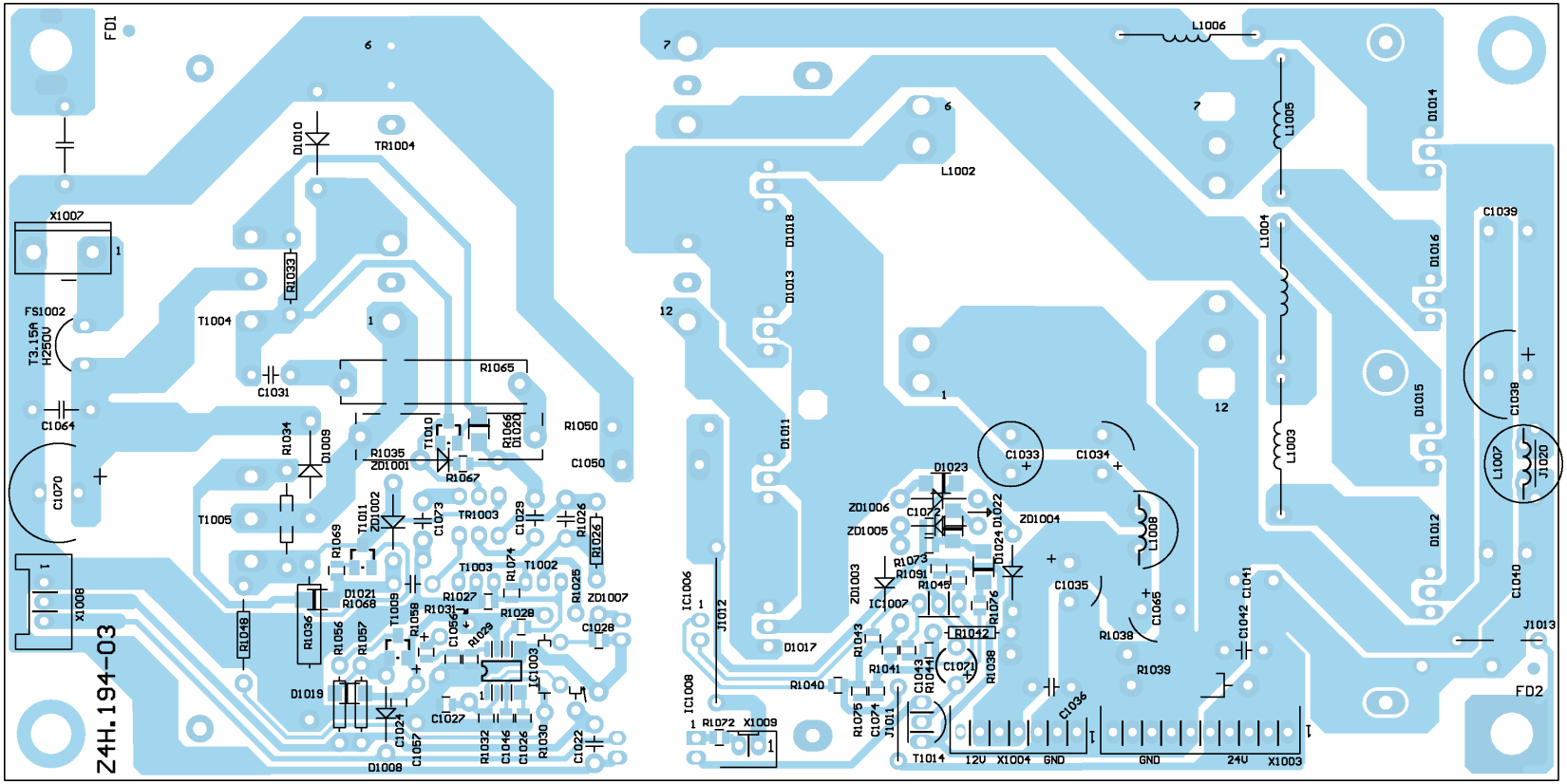
Netzteil-Platte / Power Supply Board Z4H194-3 (SMPS)

Ansicht von der Bestückungsseite / View of Component Side

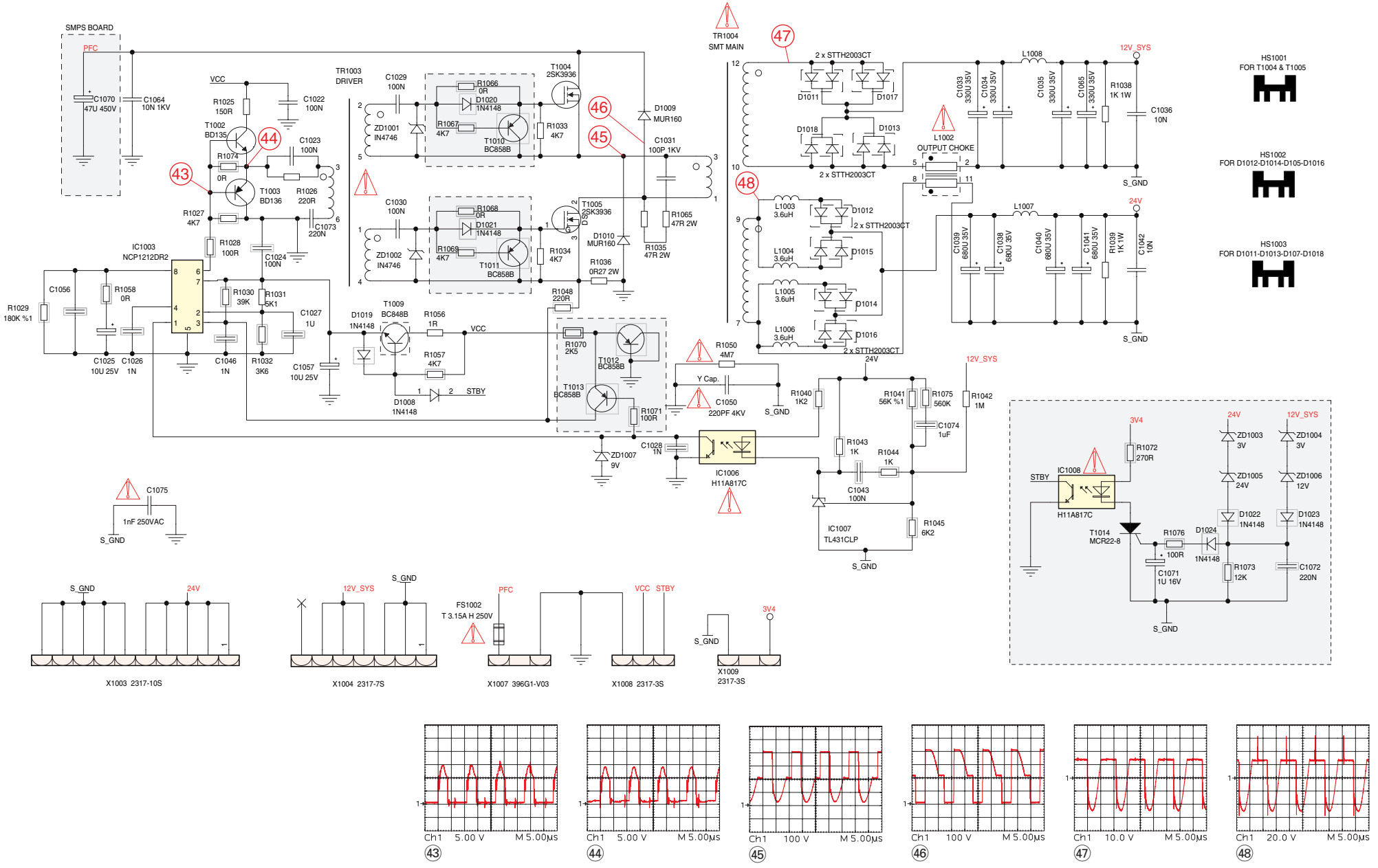


Netzteil-Platte / Power Supply Board Z4H194-3 (SMPS)

Ansicht von der Lötseite / View of Solder Side

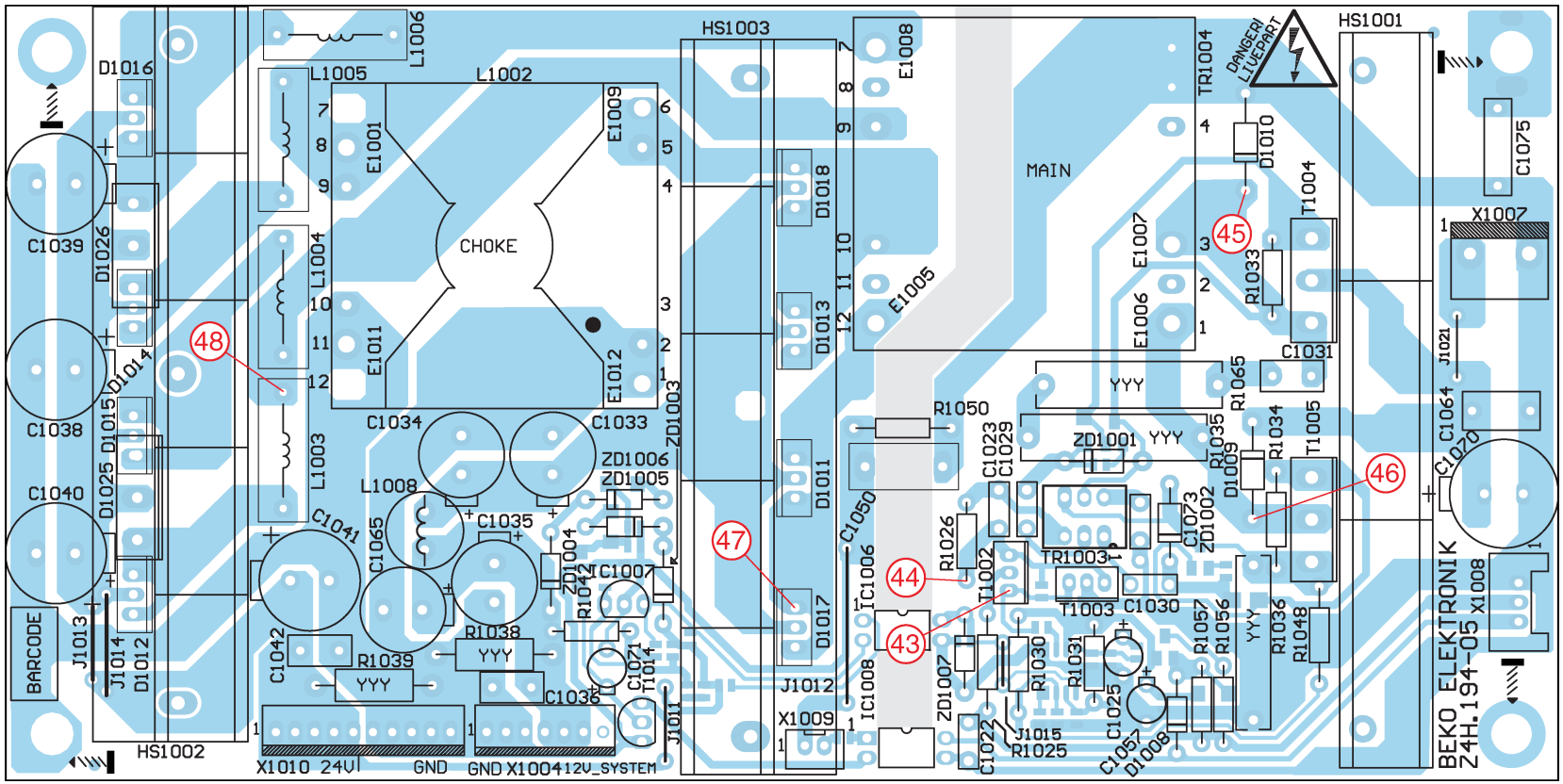


Netzteil-Platte / Power Supply Board Z4H194-3 (SMPS)



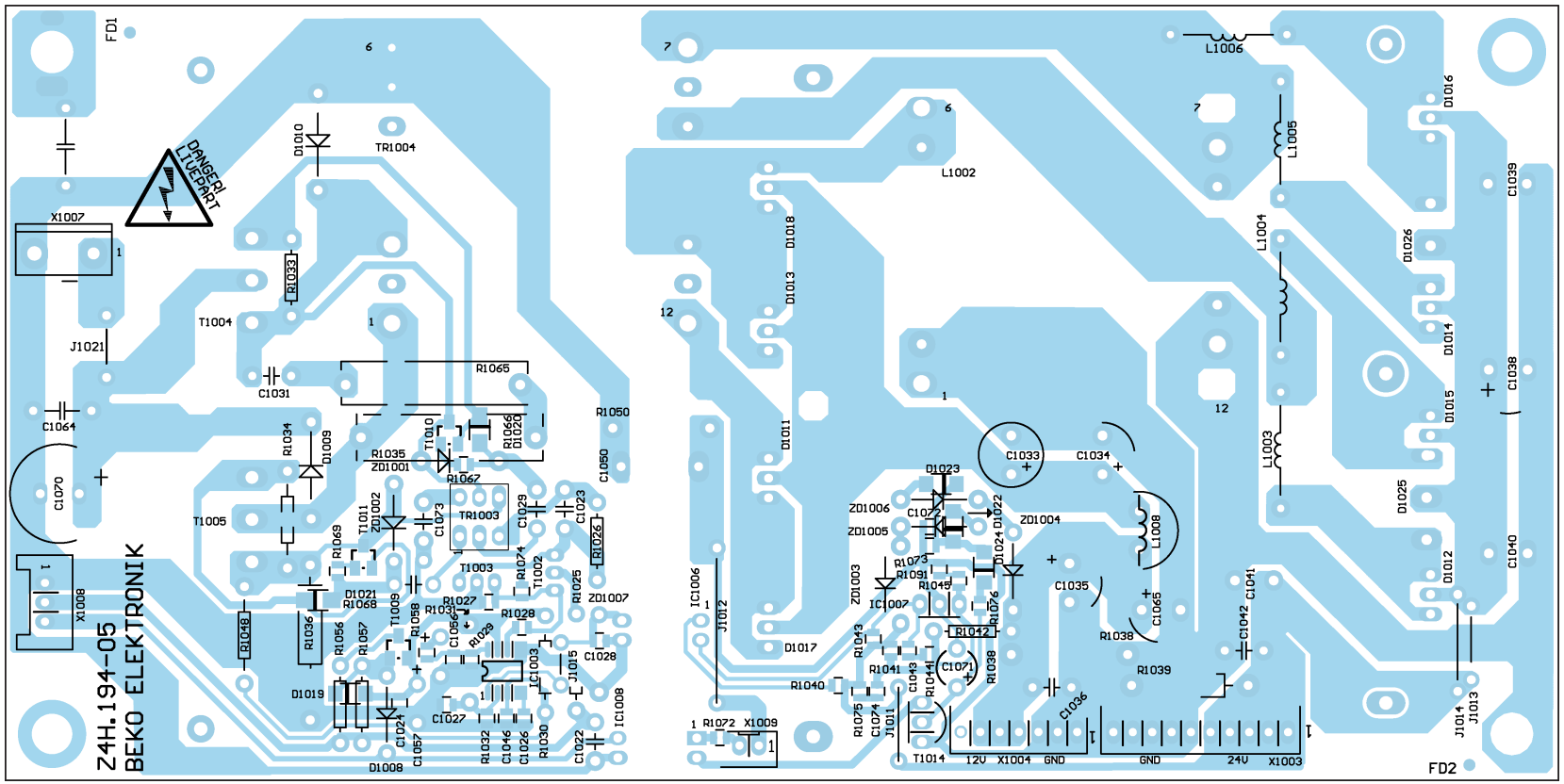
Netzteil-Platte / Power Supply Board Z4H194-5 (SMPS)

Ansicht von der Bestückungsseite / View of Component Side

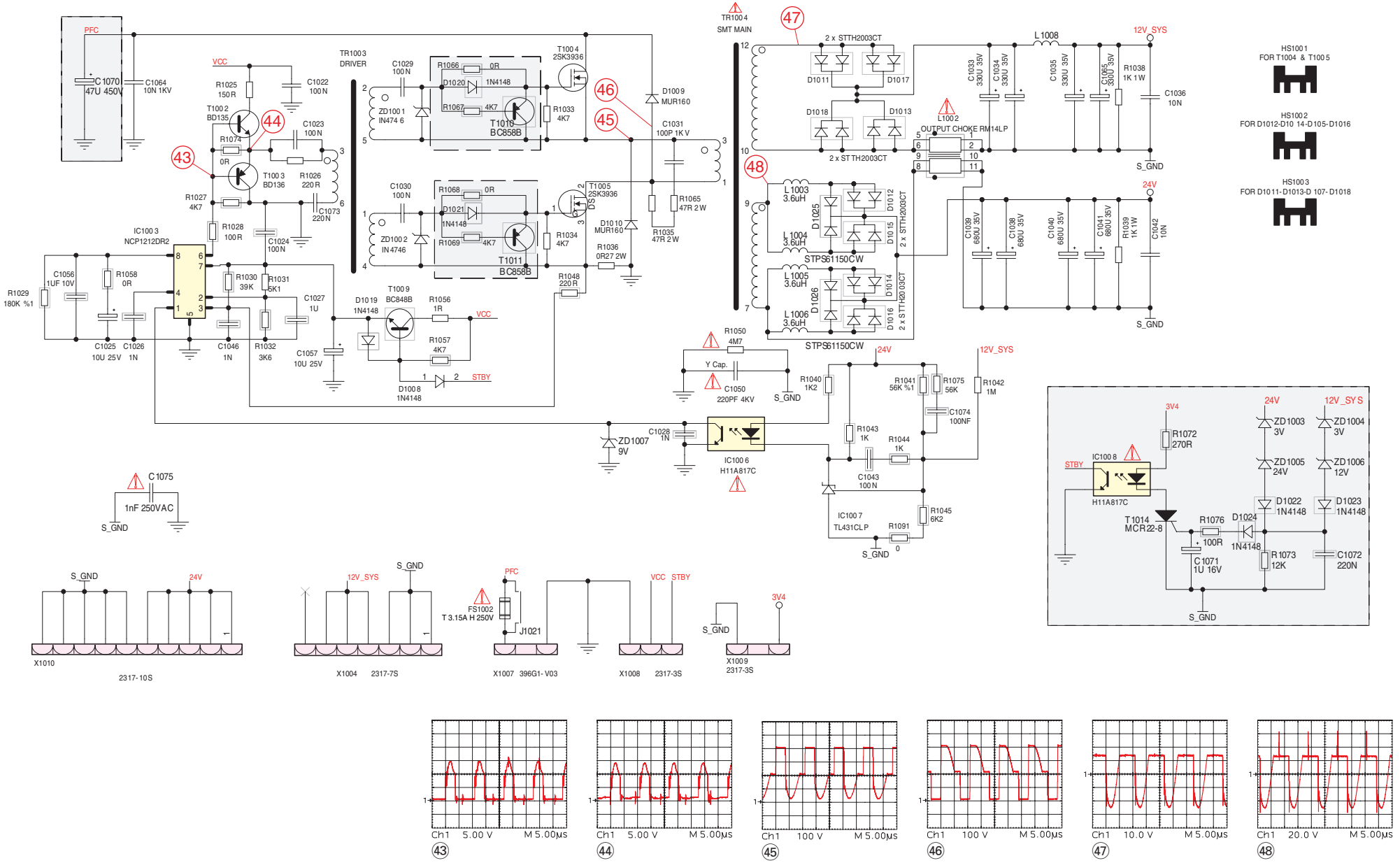


Netzteil-Platte / Power Supply Board Z4H194-5 (SMPS)

Ansicht von der Lötseite / View of Solder Side

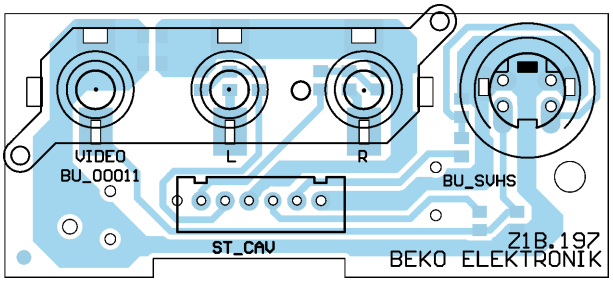


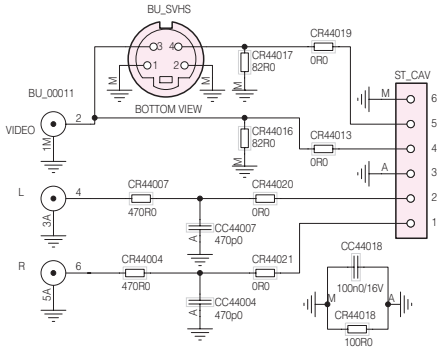
Netzteil-Platte / Power Supply Board Z4H194-5 (SMPS)



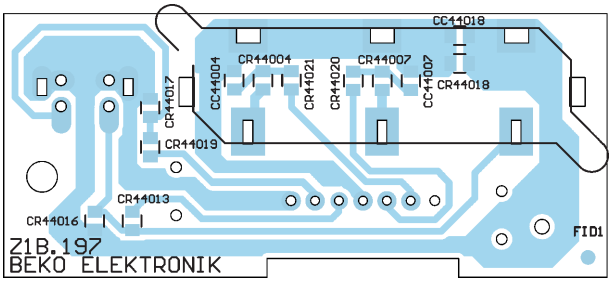
Buchsen-Platte / Socket Board Z1B197

Ansicht von der Bestückungsseite / View of Component Side



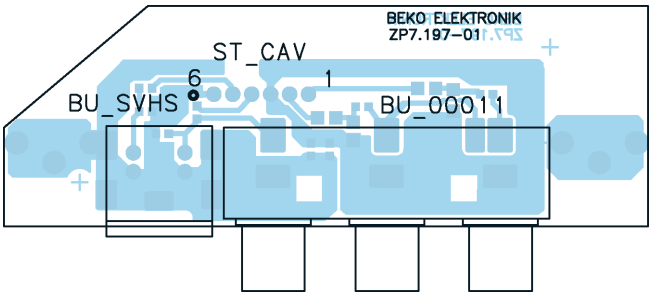


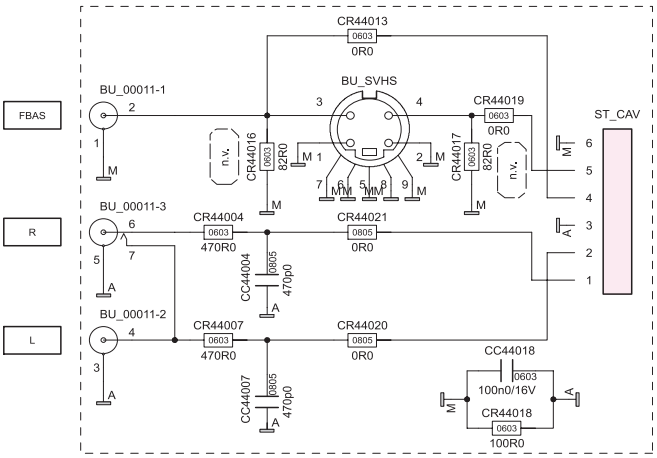
Ansicht von der Lötseite / View of Solder Side



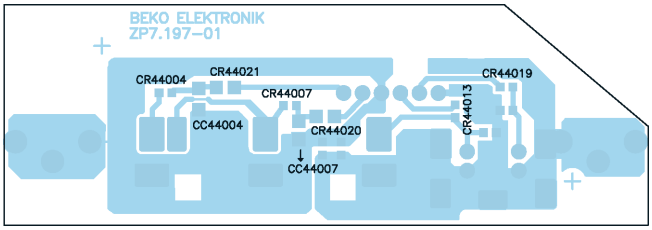
Buchsen-Platte / Socket Board ZP7197

Ansicht von der Bestückungsseite / View of Component Side



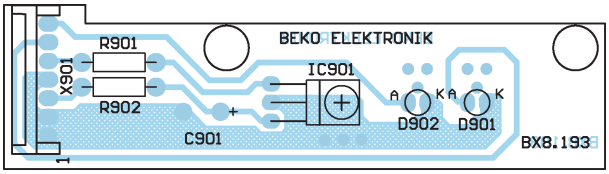


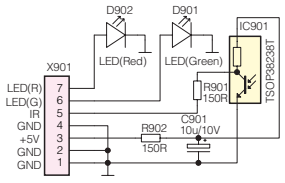
Ansicht von der Lötseite / View of Solder Side



IR/LED-Platte / Board BX8193

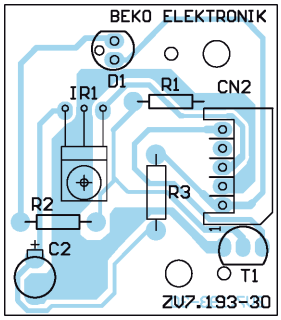
Ansicht von der Bestückungsseite / View of Component Side

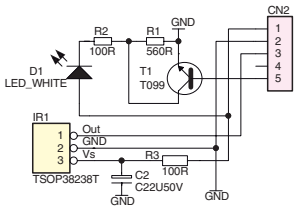




IR/LED-Platte / Board ZV7193

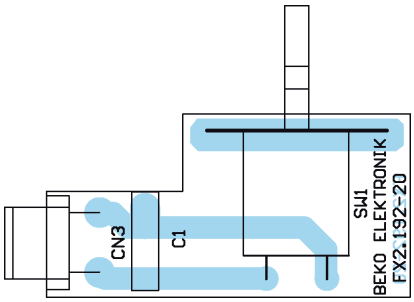
Ansicht von der Bestückungsseite / View of Component Side

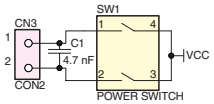




Netzschalter-Platte / Power Switch Board FX2192

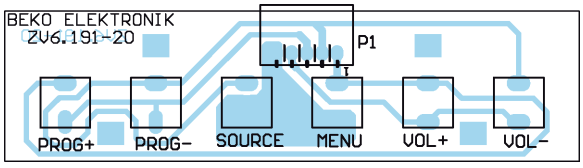
Ansicht von der Bestückungsseite / View of Component Side

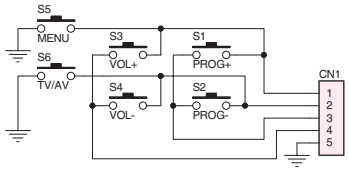




Tasten-Platte / Keyboard ZV6191

Ansicht von der Bestückungsseite / View of Component Side





GRUNDIG

Ersatzteilliste
Spare Parts List

NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLY

TV

5 / 2007

FINE ARTS 37 LXW 94-9650 FHD

BESTELL-NR. / ORDER NO.: GBE8400 (BDV, EHT)

POS. NR. / POS. NO.	ABB. / FIG.	MATERIAL-NR. / PART NUMBER	ANZ. / QTY.	BEZEICHNUNG (D)	DESCRIPTION (GB)
		GBE8400		FINE ARTS 37 LXW 94-9650 FHD PRODUKTCODE **BDV** KEIN E-TEIL	FINE ARTS 37 LXW 94-9650 FHD PRODUCT CODE **BDV** NO SPARE PART
				Hinweis: Sollte in dieser Ersatzteilliste Ihr "Product Code" oder Ihre Display-Variante nicht aufgeführt sein, finden Sie eine aktualisierte Version auf dem GRUNDIG Service-Portal "**http://service.grundig.de**".	**Note:** If your "Product Code" or display variant is not mentioned in the spare parts list, please look for a current version at the GRUNDIG service portal "**http://service.grundig.de**".
0001.000		759551324800		GEH.-VORDERRAHMEN SILBER	FRONT FRAME SILVER
0002.000		759551324900		RUECKWAND SILBER	BACK COVER SILVER
0004.000		759551325100		VORDERTEIL SOUNDSYSTEM SILBER	FRONTCABINET SOUNDSYSTEM SILVER
0005.000		759551325000		RUECKTEIL SOUNDSYSTEM SILBER	BACK COVER SOUNDSYSTEM SILVER
0006.000		759551131100		GRILL LAUTSPRECHER SILBER	GRILLE LOUDSPEAKER SILVER
0007.000		759551097100		LAUTSPRECHER 10 W / 4 OHM	LOUDSPEAKER 10 W / 4 OHM
0008.000		759551097200		HOCHTONLAUTSPRECHER 8 W / 8 OHM	TWEETER 8 W / 8 OHM
0010.000	⚠	759551304800		LCD-DISPLAY LC370WU1 LGP EMC I	LCD-DISPLAY LC370WU1 LGP EMC I
0011.000		759551350300		GLASSCHEIBE FINE ARTS	GLASPANEL FINE ARTS
0013.000	⚠	759880571000		NETZKABEL	POWER CABLE
0014.000	⚠	759550978400		NETZSCHALTER ESZ92D21B	POWER SWITCH ESZ92D21B
0016.000		759551261100		KNOPF NETZ SILBER	KNOB POWER SILVER
0017.000		759550925300		FEDER KNOPF NETZ	SPRING POWER KNOB
0019.000		759551324700		FUSS SILBER	FOOT SILVER
0021.000		759551304900		KABEL DISPLAY - LVDS 450MM LP3	CABLE DISPLAY -LVDS 450MM LP3
0025.000	⚠	275990187800	X	LP-CHASSISMODUL G2	CHASSISBOARD G2
0025.000	⚠	275990197500	X	LP-CHASSISMODUL G2	CHASSISBOARD G2
0027.000		720117140100		FERNBEDIENUNG PER. REMOTE 100	REMOTE CONTROL PER. REMOTE 100
0030.000		275990027800		IR/LED MODUL	IR/LED BOARD
0040.000		275990064000		LP-SASI FRONT-AV-MODUL	SASI FRONT-AV-BOARD
0070.000	⚠	275990300700	X	LP-NETZTEILM. PSU3 G2 EMI 24/11	POWER SUPPLY PSU3 G2 EMI 24/11
0075.000	⚠	275990301800	X	LP-NETZTEILM. PSU3 G2 SMPS 24/11	POWER SUPPLY PSU3 G2 SMPS 24/11
0090.000		759551325200		POLSTER OBEN	CUSHION TOP
0091.000		759551325300		POLSTER BODEN	CUSHION BOTTOM
0092.000		759551324600		KARTON	CARTON
				DIE BEDIENUNGSANLEITUNG KOENNEN SIE IM INTERNET UNTER FOLGENDER ADRESSE ABRUFEN: WWW.GRUNDIG.DE MENU: DOWNLOADS	THE INSTRUCTION MANUAL CAN BE DOWNLOADED FROM THE INTERNET UNDER THE FOLLOWING ADDRESS: WWW.GRUNDIG.DE MENU: DOWNLOADS
		720100524000		SERVICE MANUAL D/GB	SERVICE MANUAL D/GB
		720108000001		SICHERHEITSMANUAL D/GB/E/F/I	SAFETY SERVICE MANUAL D/GB/E/F/I
				X = SIEHE GESONDERTE E-LISTE	X = SEE SEPARATE PARTS LIST
		GBE8400		FINE ARTS 37 LXW 94-9650 FHD PRODUKTCODE **EHT** KEIN E-TEIL	FINE ARTS 37 LXW 94-9650 FHD PRODUCT CODE **EHT** NO SPARE PART
0001.000		759551324800		GEH.-VORDERRAHMEN SILBER	FRONT FRAME SILVER
0002.000		759551324900		RUECKWAND SILBER	BACK COVER SILVER
0004.000		759551325100		VORDERTEIL SOUNDSYSTEM SILBER	FRONTCABINET SOUNDSYSTEM SILVER
0005.000		759551325000		RUECKTEIL SOUNDSYSTEM SILBER	BACK COVER SOUNDSYSTEM SILVER
0006.000		759551131100		GRILL LAUTSPRECHER SILBER	GRILLE LOUDSPEAKER SILVER
0007.000		759551097100		LAUTSPRECHER 10 W / 4 OHM	LOUDSPEAKER 10 W / 4 OHM
0008.000		759551097200		HOCHTONLAUTSPR. 8 W / 8 OHM	TWEETER 8 W / 8 OHM
0010.000	⚠	759551304800		LCD-DISPLAY LC370WU1 LGP EMC I	LCD-DISPLAY LC370WU1 LGP EMC I
0011.000		759551350300		GLASSCHEIBE FINE ARTS	GLASPANEL FINE ARTS
0013.000	⚠	759880571000		NETZKABEL	POWER CABLE
0014.000	⚠	759550978400		NETZSCHALTER ESZ92D21B	POWER SWITCH ESZ92D21B
0016.000		759551261100		KNOPF NETZ SILBER	KNOB POWER SILVER
0017.000		759550925300		FEDER KNOPF NETZ	SPRING POWER KNOB
0019.000		759551324700		FUSS SILBER	FOOT SILVER
0021.000		759551304900		KABEL DISPLAY-LVDS 450MM LP3-G2	CABLE DISPLAY -LVDS 450MM LP3-G2
0025.000	⚠	275990197500	X	LP-CHASSISMODUL G2	CHASSISBOARD G2
0027.000		720117140100		FERNBEDIENUNG PER. REMOTE 100	REMOTE CONTROL PER. REMOTE 100
0030.000		275990027800		IR/LED MODUL	IR/LED BOARD
0040.000		275990064000		LP-SASI FRONT-AV-MODUL	SASI FRONT-AV-BOARD
0070.000	⚠	275990300700	X	LP-NETZTEILM. PSU3 G2 EMI 24/11	POWER SUPPLY PSU3 G2 EMI 24/11
0075.000	⚠	275990301800	X	LP-NETZTEILM. PSU3 G2 SMPS 24/11	POWER SUPPLY PSU3 G2 SMPS 24/11
0090.000		759551325200		POLSTER OBEN	CUSHION TOP
0091.000		759551325300		POLSTER BODEN	CUSHION BOTTOM
0092.000		759551324600		KARTON	CARTON
				DIE BEDIENUNGSANLEITUNG KOENNEN SIE IM INTERNET UNTER FOLGENDER ADRESSE ABRUFEN: WWW.GRUNDIG.DE MENU: DOWNLOADS	THE INSTRUCTION MANUAL CAN BE DOWNLOADED FROM THE INTERNET UNDER THE FOLLOWING ADDRESS: WWW.GRUNDIG.DE MENU: DOWNLOADS
		720100524000		SERVICE MANUAL D/GB	SERVICE MANUAL D/GB
		720108000001		SICHERHEITSMANUAL D/GB/E/F/I	SAFETY SERVICE MANUAL D/GB/E/F/I
				X = SIEHE GESONDERTE E-LISTE	X = SEE SEPARATE PARTS LIST

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Mat.-Nummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!

⚠ (!)

The regulations and safety instructions shall be valid as provided by the "Safety" Service Manual, part number 720108000001, as well as the respective national deviations.

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

GRUNDIG

Ersatzteilliste
Spare Parts List

NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLY

TV

4 / 2007

LENARO 37 LXW 94-8640 FHD

BESTELL-NR. / ORDER NO.: GBD3000 (BCA, EDA, BVX, EFK)

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG (D)	DESCRIPTION (GB)
		GBD3000		LENARO 37 LXW 94-8640 FHD PRODUKTCODE **BCA** KEIN E-TEIL	LENARO 37 LXW 94-8640 FHD PRODUCT CODE **BCA** NO SPARE PART
				Hinweis: Sollte in dieser Ersatzteilliste Ihr "Product Code" oder Ihre Display-Variante nicht aufgeführt sein, finden Sie eine aktualisierte Version auf dem GRUNDIG Service-Portal "**http://service.grundig.de**".	**Note:** If your "Product Code" or display variant is not mentioned in the spare parts list, please look for a current version at the GRUNDIG service portal "**http://service.grundig.de**".
0001.000		759551305100		GEH.-VORDEERTEIL SILBER	FRONT COVER SILVER
0002.000		759551304200		RUECKWAND SILBER	BACK COVER SILVER
0007.000		759551219300		LAUTSPRECHER BASS 8 OHM 10/15W	LOUDSPEAKER BASS 8 OHM 10/15W
0008.000		759551097200		HOCHTONLAUTSPRECHER 8 OHM / 8 W	TWEETER 8 OHM / 8W
0010.000	⚠	759551304800		LCD-DISPLAY LC370WU1 LGP EMC I	LCD-DISPLAY LC370WU1 LGP EMC I
0014.000	⚠	759880571000		NETZKABEL	POWER CABLE
0015.000	⚠	759551222300		NETZSCHALTER SDKLA11000 5A 2P	POWER SWITCH SDKLA11000 5A 2P
0016.000		759551304300		KNOPF NETZ SILBER	POWER KNOB SILVER
0017.000		759550925300		FEDER KNOPF NETZ	SPRING POWER KNOB
0018.000		759551304400		KNOPF PROG./VOL. SILBER	KNOB PROG./VOL. SILVER
0019.000		759551304700		FUSS SILBER	FOOT SILVER
0021.000		759551304900		KABEL DISPLAY - LVDS 450MM LP3	CABLE DISPLAY -LVDS 450MM LP3
0022.000		759551336700		KABEL DVI-HDMI	CABLE DVI-HDMI
0025.000		275990184500	X	LP-CHASSISMODUL G2	CHASSISBAORD G2
0027.000		720117138500		FERNBEDIENUNG TP 170C SILBER	REMOTE CONTROL TP 170C SILVER
0030.000		275990212700		LP-BEDIENMODUL 26L6BL83	CONTROLBOARD 26L6BL83
0040.000		275990212800		LP-EMPFANGSMODUL 26L6BL83	RECEIVERBOARD 26L6BL83
0050.000		275990218600		LP-SIDE-AV MODUL	SIDE-AV BOARD
0060.000	⚠	275990037600		LP-NETZSCHALTERMODUL 26L6BL67	POWER SWITCH BOARD 26L6BL67
0070.000	⚠	275990300700	X	LP-NETZTEILM. PSU3 G2 EMI 24/11	POWER SUPPLY PSU3 G2 EMI 24/11
0075.000	⚠	275990301800	X	LP-NETZTEILM. PSU3 G2 SMPS 24/11	POWER SUPPLY PSU3 G2 SMPS 24/11
0090.000		759551304500		POLSTER LINKS	CUSHION LEFT
0091.000		759551304600		POLSTER RECHTS	CUSHION RIGHT
0092.000		759551305000		KARTON	CARTON
				DIE BEDIENUNGSANLEITUNG KOENNEN SIE IM INTERNET UNTER FOLGENDER ADRESSE ABRUFEN: WWW.GRUNDIG.DE MENU: DOWNLOADS	THE INSTRUCTION MANUAL CAN BE DOWNLOADED FROM THE INTERNET UNDER THE FOLLOWING ADDRESS: WWW.GRUNDIG.DE MENU: DOWNLOADS
		720100524000		SERVICE MANUAL D/GB	SERVICE MANUAL D/GB
		720108000001		SICHERHEITSMANUAL D/GB/E/F/I	SAFETY SERVICE MANUAL D/GB/E/F/I
				X = SIEHE GESONDERTE E-LISTE	X = SEE SEPARATE PARTS LIST
		GBD3000		LENARO 37 LXW 94-8640 FHD PRODUKTCODE **EDA** KEIN E-TEIL	LENARO 37 LXW 94-8640 FHD PRODUCT CODE **EDA** NO SPARE PART
0001.000		759551305100		GEH.-VORDEERTEIL SILBER	FRONT COVER SILVER
0002.000		759551304200		RUECKWAND SILBER	BACK COVER SILVER
0007.000		759551219300		LAUTSPRECHER BASS 8 OHM 10/15W	LOUDSPEAKER BASS 8 OHM 10/15W
0008.000		759551097200		HOCHTONLAUTSPRECHER 8 OHM / 8 W	TWEETER 8 OHM / 8W
0010.000	⚠	759551304800		LCD-DISPLAY LC370WU1 LGP EMC I	LCD-DISPLAY LC370WU1 LGP EMC I
0014.000	⚠	759880571000		NETZKABEL	POWER CABLE

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG (D)	DESCRIPTION (GB)
0015.000	⚠	759551222300		NETZSCHALTER SDKLA11000 5A 2P	POWER SWITCH SDKLA11000 5A 2P
0016.000		759551304300		KNOPF NETZ SILBER	POWER KNOB SILVER
0017.000		759550925300		FEDER KNOPF NETZ	SPRING POWER KNOB
0018.000		759551304400		KNOPF PROG./VOL. SILBER	KNOB PROG./VOL. SILVER
0019.000		759551304700		FUSS SILBER	FOOT SILVER
0021.000		759551304900		KABEL DISPLAY - LVDS 450MM LP3	CABLE DISPLAY -LVDS 450MM LP3
0022.000		759551336700		KABEL DVI-HDMI	CABLE DVI-HDMI
0025.000		275990197500	X	LP-CHASSISMODUL G2	CHASSISBAORD G2
0027.000		720117138500		FERNBEDIENUNG TP 170C SILBER	REMOTE CONTROL TP 170C SILVER
0030.000		275990212700		LP-BEDIENMODUL 26L6BL83	CONTROLBOARD 26L6BL83
0040.000		275990212800		LP-EMPFANGSMODUL 26L6BL83	RECEIVERBOARD 26L6BL83
0050.000		275990218600		LP-SIDE-AV MODUL	SIDE-AV BOARD
0060.000	⚠	275990037600		LP-NETZSCHALTERMODUL 26L6BL67	POWER SWITCH BOARD 26L6BL67
0070.000	⚠	275990300700	X	LP-NETZTEILM. PSU3 G2 EMI 24/11	POWER SUPPLY PSU3 G2 EMI 24/11
0075.000	⚠	275990301800	X	LP-NETZTEILM. PSU3 G2 SMPS 24/11	POWER SUPPLY PSU3 G2 SMPS 24/11
0090.000		759551304500		POLSTER LINKS	CUSHION LEFT
0091.000		759551304600		POLSTER RECHTS	CUSHION RIGHT
0092.000		759551305000		KARTON	CARTON
				DIE BEDIENUNGSANLEITUNG KOENNEN SIE IM INTERNET UNTER FOLGENDER ADRESSE ABRUFEN: WWW.GRUNDIG.DE MENU: DOWNLOADS	THE INSTRUCTION MANUAL CAN BE DOWNLOADED FROM THE INTERNET UNDER THE FOLLOWING ADDRESS: WWW.GRUNDIG.DE MENU: DOWNLOADS
		720100524000		SERVICE MANUAL D/GB	SERVICE MANUAL D/GB
		720108000001		SICHERHEITSMANUAL D/GB/E/F/I	SAFETY SERVICE MANUAL D/GB/E/F/I
				X = SIEHE GESONDERTE E-LISTE	X = SEE SEPARATE PARTS LIST
		GBD3000		LENARO 37 LXW 94-8640 FHD PRODUKTCODE **BVX** KEIN E-TEIL	LENARO 37 LXW 94-8640 FHD PRODUCT CODE **BVX** NO SPARE PART
0001.000		759551305100		GEH.-VORDEERTEIL SILBER	FRONT COVER SILVER
0002.000		759551304200		RUECKWAND SILBER	BACK COVER SILVER
0007.000		759551219300		LAUTSPRECHER BASS 8 OHM 10/15W	LOUDSPEAKER BASS 8 OHM 10/15W
0008.000		759551097200		HOCHTONLAUTSPRECHER 8 OHM / 8 W	TWEETER 8 OHM / 8W
0010.000	⚠	759551304800		LCD-DISPLAY LC370WU1 LGP EMC I	LCD-DISPLAY LC370WU1 LGP EMC I
0014.000	⚠	759880571000		NETZKABEL	POWER CABLE
0015.000	⚠	759551222300		NETZSCHALTER SDKLA11000 5A 2P	POWER SWITCH SDKLA11000 5A 2P
0016.000		759551304300		KNOPF NETZ SILBER	POWER KNOB SILVER
0017.000		759550925300		FEDER KNOPF NETZ	SPRING POWER KNOB
0018.000		759551304400		KNOPF PROG./VOL. SILBER	KNOB PROG./VOL. SILVER
0019.000		759551304700		FUSS SILBER	FOOT SILVER
0021.000		759551304900		KABEL DISPLAY - LVDS 450MM LP3	CABLE DISPLAY -LVDS 450MM LP3-
0025.000		275990197400	X	LP-CHASSISMODUL G2	CHASSISBAORD G2
0027.000		720117138500		FERNBEDIENUNG TP 170C SILBER	REMOTE CONTROL TP 170C SILVER
0030.000		275990212700		LP-BEDIENMODUL 26L6BL83	CONTROLBOARD 26L6BL83
0040.000		275990212800		LP-EMPFANGSMODUL 26L6BL83	RECEIVERBOARD 26L6BL83
0050.000		275990218600		LP-SIDE-AV MODUL	SIDE-AV BOARD
0060.000	⚠	275990037600		LP-NETZSCHALTERMODUL 26L6BL67	POWER SWITCH BOARD 26L6BL67
0070.000	⚠	275990300700	X	LP-NETZTEILM PSU3 G2 EMI 24/11	POWER SUPPLY PSU3 G2 EMI 24/11
0075.000	⚠	275990301800	X	LP-NETZTEILM PSU3 G2 SMPS 24/11	POWER SUPPLY PSU3 G2 SMPS 24/11
0090.000		759551304500		POLSTER LINKS	CUSHION LEFT
0091.000		759551304600		POLSTER RECHTS	CUSHION RIGHT
0092.000		759551305000		KARTON	CARTON
				DIE BEDIENUNGSANLEITUNG KOENNEN SIE IM INTERNET UNTER FOLGENDER ADRESSE ABRUFEN: WWW.GRUNDIG.DE MENU: DOWNLOADS	THE INSTRUCTION MANUAL CAN BE DOWNLOADED FROM THE INTERNET UNDER THE FOLLOWING ADDRESS: WWW.GRUNDIG.DE MENU: DOWNLOADS
		720100524000		SERVICE MANUAL D/GB	SERVICE MANUAL D/GB
		720108000001		SICHERHEITSMANUAL D/GB/E/F/I	SAFETY SERVICE MANUAL D/GB/E/F/I
				X = SIEHE GESONDERTE E-LISTE	X = SEE SEPARATE PARTS LIST

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG (D)	DESCRIPTION (GB)
		GBD3000		LENARO 37 LXW 94-8640 FHD PRODUKTCODE **EFK** KEIN E-TEIL	LENARO 37 LXW 94-8640 FHD PRODUCT CODE **EFK** NO SPARE PART
0001.000		759551305100		GEH.-VORDEERTEIL SILBER	FRONT COVER SILVER
0002.000		759551304200		RUECKWAND SILBER	BACK COVER SILVER
0007.000		759551219300		LAUTSPRECHER BASS 8 OHM 10/15W	LOUDSPEAKER BASS 8 OHM 10/15W
0008.000		759551097200		HOCHTONLAUTSPRECHER 8 OHM / 8 W	TWEETER 8 OHM / 8W
0010.000	⚠	759551304800		LCD-DISPLAY LC370WU1 LGP EMC I	LCD-DISPLAY LC370WU1 LGP EMC I
0014.000	⚠	759880571000		NETZKABEL	POWER CABLE
0015.000	⚠	759551222300		NETZSCHALTER SDKLA11000 5A 2P	POWER SWITCH SDKLA11000 5A 2P
0016.000		759551304300		KNOPF NETZ SILBER	POWER KNOB SILVER
0017.000		759550925300		FEDER KNOPF NETZ	SPRING POWER KNOB
0018.000		759551304400		KNOPF PROG./VOL. SILBER	KNOB PROG./VOL. SILVER
0019.000		759551304700		FUSS SILBER	FOOT SILVER
0021.000		759551304900		KABEL DISPLAY - LVDS 450MM LP3	CABLE DISPLAY -LVDS 450MM LP3-
0025.000		275990197500	X	LP-CHASSISMODUL G2	CHASSISBAORD G2
0027.000		720117138500		FERNBEDIENUNG TP 170C SILBER	REMOTE CONTROL TP 170C SILVER
0030.000		275990212700		LP-BEDIENMODUL 26L6BL83	CONTROLBOARD 26L6BL83
0040.000		275990212800		LP-EMPFANGSMODUL 26L6BL83	RECEIVERBOARD 26L6BL83
0050.000		275990218600		LP-SIDE-AV MODUL	SIDE-AV BOARD
0060.000	⚠	275990037600		LP-NETZSCHALTERMODUL 26L6BL67	POWER SWITCH BOARD 26L6BL67
0070.000	⚠	275990300700	X	LP-NETZTEILM PSU3 G2 EMI 24/11	POWER SUPPLY PSU3 G2 EMI 24/11
0075.000	⚠	275990301800	X	LP-NETZTEILM PSU3 G2 SMPS 24/11	POWER SUPPLY PSU3 G2 SMPS 24/11
0090.000		759551304500		POLSTER LINKS	CUSHION LEFT
0091.000		759551304600		POLSTER RECHTS	CUSHION RIGHT
0092.000		759551305000		KARTON	CARTON
				DIE BEDIENUNGSANLEITUNG KOENNEN SIE IM INTERNET UNTER FOLGENDER ADRESSE ABRUFEN: WWW.GRUNDIG.DE MENU: DOWNLOADS	THE INSTRUCTION MANUAL CAN BE DOWNLOADED FROM THE INTERNET UNDER THE FOLLOWING ADDRESS: WWW.GRUNDIG.DE MENU: DOWNLOADS
		720100524000		SERVICE MANUAL D/GB	SERVICE MANUAL D/GB
		720108000001		SICHERHEITSMANUAL D/GB/E/F/I	SAFETY SERVICE MANUAL D/GB/E/F/I
				X = SIEHE GESONDERTE E-LISTE	X = SEE SEPARATE PARTS LIST

Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Mat.-Nummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!

⚠ (!)

The regulations and safety instructions shall be valid as provided by the "Safety" Service Manual, part number 720108000001, as well as the respective national deviations.

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

GRUNDIG

Ersatzteilliste
Spare Parts List

NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLY

TV

4 / 2007

LENARO 42 LXW 110-8640 FHD

BESTELL-NR. / ORDER NO.: GBG1700

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG (D)	DESCRIPTION (GB)
		GBG1700		LENARO 42 LXW 110-8640 FHD PRODUKTCODE **BDS** KEIN E-TEIL	LENARO 42 LXW 110-8640 FHD PRODUCT CODE **BDS** NO SPARE PART
				Hinweis: Sollte in dieser Ersatzteilliste Ihr "Product Code" oder Ihre Display-Variante nicht aufgeführt sein, finden Sie eine aktualisierte Version auf dem GRUNDIG Service-Portal "**http://service.grundig.de**".	**Note:** If your "Product Code" or display variant is not mentioned in the spare parts list, please look for a current version at the GRUNDIG service portal "**http://service.grundig.de**".
0001.000		759551318700		GEH.-VORDERTEIL SILBER	FRONT CABINET SILVER
0002.000		759551318300		RUECKWAND SILBER	BACK COVER SILVER
0007.000		759551219300		LAUTSPRECHER BASS 8 OHM 10/15W	LOUDSPEAKER BASS 8 OHM 10/15W
0008.000		759551097200		HOCH/MITTELTONLAUTSPRECHER 8OHM	TWEETER/MIDRANGE LOUDSP. 8OHM
0009.000		759550975700		HOCHTONLAUTSPRECHER 10 OHM / 1	TWEETER 10 OHM / 10 W
0010.000	⚠	759551318500		LCD DISPLAY LC420WU1-SL01	LCD DISPLAY LC420WU1-SL01
0013.000	⚠	759880571000		NETZKABEL	POWER CABLE
0015.000	⚠	759551222300		NETZSCHALTER SDKLA11000 5A 2P	POWER SWITCH SDKLA11000 5A 2P
0016.000		759551304300		KNOPF NETZ SILBER	KNOB POWER SILVER
0017.000		759550925300		FEDER KNOPF NETZ	SPRING KNOB POWER
0018.000		759551304400		KNOPF PROG./VOL. SILBER	KNOB PROG./VOL. SILVER
0019.000		759551338600		FUSS SILBER	FOOT SILVER
0021.000		759551304900		KABEL DISPLAY-LVDS 450MM LP3-G2	CABLE DISPLAY-LVDS 450MM LP3-G2
0025.000	⚠	275990186100	X	LP-CHASSISMODUL G2	CHASSISBOARD G2
0027.000		720117138500		FERNBEDIENUNG TP 170C SILBER	REMOTE CONTROL TP 170C SILVER
0030.000		275990212700		LP-BEDIENMODUL 26L6BL83	CONTROLBOARD 26L6BL83
0040.000		275990064100		LP-SIDE-AV MODUL	SIDE-AV BOARD
0050.000		275990218200		LP-EMPFANGSMODUL	RECEIVER BOARD
0060.000	⚠	275990037600		LP-NETZSCHALTERMODUL 26L6BL67	POWER SWITCH BOARD 26L6BL67
0070.000	⚠	275990301000	X	LP-NETZTEILM. PSU3 24/11 12	POWER SUPPLY PSU3 24/11 12/5 3
0075.000	⚠	275990302400	X	LP-NETZTEILM. PSU3 24/11 12/5 3P 400W	POWER SUPPLY PSU3 24/11 12/5 3P 400W
0090.000		759551338700		POLSTER OBEN	CUSHION TOP
0091.000		759551338800		POLSTER BODEN	CUSHION BOTTOM
0092.000		759551318600		KARTON	CARTON
				DIE BEDIENUNGSANLEITUNG KOENNEN SIE IM INTERNET UNTER FOLGENDER ADRESSE ABRUFEN: WWW.GRUNDIG.DE MENU: DOWNLOADS	THE INSTRUCTION MANUAL CAN BE DOWNLOADED FROM THE INTERNET UNDER THE FOLLOWING ADDRESS: WWW.GRUNDIG.DE MENU: DOWNLOADS
		720100524000		SERVICE MANUAL D/GB	SERVICE MANUAL D/GB
		720108000001		SICHERHEITSMANUAL D/GB/E/F/I	SAFETY SERVICE MANUAL D/GB/E/F/I
				X = SIEHE GESONDERTE E-LISTE	X = SEE SEPARATE PARTS LIST

Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Mat.-Nummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!

⚠ (!)

The regulations and safety instructions shall be valid as provided by the "Safety" Service Manual, part number 720108000001, as well as the respective national deviations.

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

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NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLY

TV

11 / 2006 LENARO 42 LXW 110-8740 FHD

BESTELL-NR. / ORDER NO.: GBF0900 (BDS)

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG (D)	DESCRIPTION (GB)
		GBF0900		LENARO 42 LXW 110-8740 FHD PRODUKTCODE **BDS** KEIN E-TEIL	LENARO 42 LXW 110-8740 FHD PRODUCT CODE **BDS** NO SPARE PART
				Hinweis: Sollte in dieser Ersatzteilliste Ihr "Product Code" oder Ihre Display-Variante nicht aufgeführt sein, finden Sie eine aktualisierte Version auf dem GRUNDIG Service-Portal "**http://service.grundig.de**".	**Note:** If your "Product Code" or display variant is not mentioned in the spare parts list, please look for a current version at the GRUNDIG service portal "**http://service.grundig.de**".
0001.000		759551318700		GEH.-VORDERTEIL SILBER	FRONT CABINET SILVER
0002.000		759551318300		RUECKWAND SILBER	BACK COVER SILVER
0007.000		759551219300		LAUTSPRECHER BASS 8 OHM 10/15W	LOUDSPEAKER BASS 8 OHM 10/15W
0008.000		759551097200		HOCH/MITTELTONLAUTSPRECHER 8OHM	TWEETER/MIDRANGE LOUDSP. 8OHM
0009.000		759550975700		HOCHTONLAUTSPRECHER 8 OHM / 10W	TWEETER 8 OHM / 10 W
0010.000	⚠	759551318500		LCD DISPLAY LC420WU1-SL01	LCD DISPLAY LC420WU1-SL01
0013.000	⚠	759880571000		NETZKABEL	POWER CABLE
0015.000	⚠	759551222300		NETZSCHALTER SDKLA11000 5A 2P	POWER SWITCH SDKLA11000 5A 2P
0018.000		759551304400		KNOPF PROG./VOL. SILBER	KNOB PROG./VOL. SILVER
0019.000		759551318400		FUSS SILBER	FOOT SILVER
0021.000		759551304900		KABEL DISPLAY - LVDS 450MM LP3	CABLE DISPLAY -LVDS 450MM LP3
0025.000	⚠	275990186100	X	LP-CHASSISMODUL G2	CHASSISBOARD G2
0027.000		720117138500		FERNBEDIENUNG TP 170C SILBER	REMOTE CONTROL TP 170C SILVER
0030.000		275990212700		LP-BEDIENMODUL 26L6BL83	CONTROLBOARD 26L6BL83
0040.000		275990218600		LP-SIDE-AV MODUL	SIDE-AV BOARD
0060.000	⚠	275990037600		LP-NETZSCHALTERMODUL 26L6BL67	POWER SWITCH BOARD 26L6BL67
0070.000	⚠	275990301000	X	LP-NETZTEILM. PSU3 24/11 12/5 3	POWER SUPPLY PSU3 24/11 12/5 3
0075.000	⚠	275990302400	X	LP-NETZTEILM. PSU3 24/11 12/5 3P 400W	POWER SUPPLY PSU3 24/11 12/5 3P 400W
0090.000		759551294200		POLSTER RECHTS	CUSHION RIGHT
0091.000		759551294300		POLSTER LINKS	CUSHION LEFT
0092.000		759551318600		KARTON	CARTON
				DIE BEDIENUNGSANLEITUNG KOENNEN SIE IM INTERNET UNTER FOLGENDER ADRESSE ABRUFEN: WWW.GRUNDIG.DE MENU: DOWNLOADS	THE INSTRUCTION MANUAL CAN BE DOWNLOADED FROM THE INTERNET UNDER THE FOLLOWING ADDRESS: WWW.GRUNDIG.DE MENU: DOWNLOADS
		720100524000		SERVICE MANUAL D/GB	SERVICE MANUAL D/GB
		720108000001		SICHERHEITSMANUAL D/GB/E/F/I	SAFETY SERVICE MANUAL D/GB/E/F/I
				X = SIEHE GESONDERTE E-LISTE	X = SEE SEPARATE PARTS LIST

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ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

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FOR INTERNAL USE ONLY

TV

4 / 2007 THARUS 37 LXW 94-9745 FHD

BESTELL-NR. / ORDER NO.: GBF5000 (BFM)

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG (D)	DESCRIPTION (GB)
		GBF5000		THARUS 37 LXW 94-9745 FHD PRODUKTCODE **BFM** KEIN E-TEIL	THARUS 37 LXW 94-9745 FHD PRODUCT CODE **BFM** NO SPARE PART
				Hinweis: Sollte in dieser Ersatzteilliste Ihr "Product Code" oder Ihre Display-Variante nicht aufgeführt sein, finden Sie eine aktualisierte Version auf dem GRUNDIG Service-Portal "**http://service.grundig.de**".	**Note:** If your "Product Code" or display variant is not mentioned in the spare parts list, please look for a current version at the GRUNDIG service portal "**http://service.grundig.de**".
0001.000		759551346900		GEH.-VORDERTEIL SILBER	FRONT CABINET SILVER
0002.000		759551130500		RUECKWAND LIQUA BLUE	BACK COVER LIQUA BLUE
0006.000		759551097200		HOCH/MITTELTONLAUTSPRECHER 8 W	TWEETER/MIDRANGE LOUDSPEAKER 8W
0007.000		759551097100		LAUTSPRECHER 10 W / 4 OHM	LOUDSPEAKER 10 W / 4 OHM
0008.000		759551325100		VORDERTEIL SILBER SOUND SYSTEM	FRONT SILVER SOUND SYSTEM
0009.000		759551347000		RUECKTEIL SILBER	BACK COVER SILVER
0010.000	⚠	759551304800		LCD-DISPLAY LC370WU1 LGP EMC I	LCD-DISPLAY LC370WU1 LGP EMC I
0013.000	⚠	759880571000		NETZKABEL	POWER CABLE
0015.000	⚠	759550978400		NETZSCHALTER ESZ92D21B	POWER SWITCH ESZ92D21B
0016.000		759551262700		KNOPF NETZ SCHWARZ	KNOB POWER BLACK
0017.000		759550925300		FEDER KNOPF NETZ	SPRING KNOB POWER
0019.000		759551324700		FUSS SILBER	FOOT SILVER
0021.000		759551304900		KABEL LVDS	CABLE LVDS
0022.000		759551342800		G-BUS KABEL	G-BUS CABLE
0025.000	⚠	275990197500	X	LP-CHASSISMODUL G2	CHASSISBOARD G2
0027.000		720117139100		FERNBEDIENUNG TP 170C SCHWARZ	REMOTE CONTROL TP 170C BLACK
0030.000		275990027800		IR/LED MODUL	IR/LED BOARD
0040.000		275990064000		LP-SASI FRONT-AV-MODUL	SASI FRONT-AV-BOARD
0070.000	⚠	275990300700	X	LP-NETZTEILM. PSU3 G2 EMI 24/1112/5 400W	POWER SUPP.PSU3 G2 EMI 24/1112/5 400W
0075.000	⚠	275990301800	X	LP-NETZTEILM. PSU3 G2 SMPS 24/11	POWER SUPP.PSU3 G2 SMPS 24/11
0090.000		759551325300		POLSTER BODEN	CUSHION BOTTOM
0091.000		759551325200		POLSTER OBEN	CUSHION TOP
0092.000		759551346800		KARTON	CARTON
				DIE BEDIENUNGSANLEITUNG KOENNEN SIE IM INTERNET UNTER FOLGENDER ADRESSE ABRUFEN: WWW.GRUNDIG.DE MENU: DOWNLOADS	THE INSTRUCTION MANUAL CAN BE DOWNLOADED FROM THE INTERNET UNDER THE FOLLOWING ADDRESS: WWW.GRUNDIG.DE MENU: DOWNLOADS
		720100524000		SERVICE MANUAL D/GB	SERVICE MANUAL D/GB
		720108000001		SICHERHEITSMANUAL D/GB/E/F/I	SAFETY SERVICE MANUAL D/GB/E/F/I
				X = SIEHE GESONDERTE E-LISTE	X = SEE SEPARATE PARTS LIST

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ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

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FOR INTERNAL USE ONLY

TV

5 / 2007

LP-CHASSISMODUL G2
CHASSISBOARD G2

MATERIAL-NR. / PART NO.: 275990184500

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG (D)	DESCRIPTION (GB)
		275990184500		LP-CHASSISMODUL G2	CHASSISBOARD G2

POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION
BU 5	759551057900	KOPFHOERERBUCH.YKB21-5103
BU 7	759550974700	SCARTBUCHSE DOPPELT
BU_K_KH	759551057900	KOPFHOERERBUCH.YKB21-5103
CD 3018	759551098400	DIODE Z9.1V 1.5W
CD 3020	830953414900	MELF-DIODE LL 4148 TFK/ITT
CD 3062	830953414900	MELF-DIODE LL 4148 TFK/ITT
CD 6120	759551098600	DIODE STPS340U
CD 6180	759551098600	DIODE STPS340U
CD 6182	830953414900	MELF-DIODE LL 4148 TFK/ITT
CD 6184	830953414900	MELF-DIODE LL 4148 TFK/ITT
CD 6185	759551308300	Z. 30V/0.5W DIODE-CHIP
CD 6196	830953414900	MELF-DIODE LL 4148 TFK/ITT
CD 9123	833050414800	MELF DIODE MCL4148
CD 9133	833050414800	MELF DIODE MCL4148
CD 9206	832521205400	SMD DIODE BAT54C/ BAR43C
CIC 1040	759551307500	DRX3960A MQF44 IC-CHIP
CIC 2100	759551097600	IC MSP4411/D5
CIC 6110	759551242700	IC MP1593DN-LF-Z DC-DC
CIC 6170	759551242700	IC MP1593DN-LF-Z DC-DC
CIC 6210	759551308100	STM LM317MAD (DPAK) IC-CHIP
CIC 9001	759551307600	VGC5969B A4 BGA369-127 IC-C
CIC 9201	759551307700	SIL9023 CTU TQFP144 IC-CHIP
CIC 9202	720086717700	SW/IC G2 AT24C08AN-10SU-2.7
CIC 9203	720086717800	SW/IC G2 AT24C08AN-10SU-2.7
CIC 9204	720086717900	SW/IC G2 AT24C08AN-10SU-2.7
CIC 9205	759551268000	IC-CHIP CM2021-00TR TSSOP
CIC 9300	720086707400	SW/IC AT24C64AN-10SU-2.7 SO
CIC 9500	759551308200	K4H561638H-ZCB300 FBGA60 IC
CIC 9501	759551308200	K4H561638H-ZCB300 FBGA60 IC
CIC 9600	720086717600	SW/IC G2 S29GL128N10TFI020
CIC 9601	759551307800	74LVCH16373ADGG TSSOP48 IC-
CIC 9645	759551308000	MAX809STRG SOT23 T&R IC-CHI
CIC 9702	759551307900	STM LD29300P2M (P2PAK/A) IC
CIC 9703	759551307900	STM LD29300P2M (P2PAK/A) IC
CL 9307	759551099400	FILTER DLP31DN900ML4
CL 9308	759551099400	FILTER DLP31DN900ML4
CL 9309	759551099400	FILTER DLP31DN900ML4
CL 9312	759551099400	FILTER DLP31DN900ML4
CL 9313	759551099400	FILTER DLP31DN900ML4
CL 9314	759551099400	FILTER DLP31DN900ML4
CON9303	759550999000	STECKERLEISTE 10 POL.

POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION
CT 1060	830100581800	SMD TRANS BC818-25/ BC817-2
CT 2056	759551098000	TRANS BF824
CT 2140	759551098000	TRANS BF824
CT 2144	830100680800	SMD TRANS BC808-40/ BC807-4
CT 2150	759551098000	TRANS BF824
CT 2154	830100680800	SMD TRANS BC808-40/ BC807-4
CT 2170	759551098000	TRANS BF824
CT 2180	759551098000	TRANS BF824
CT 3010	759551098200	TRANS BC847BPDW1T
CT 3070	759551098000	TRANS BF824
CT 5030	759551098200	TRANS BC847BPDW1T
CT 5110	759551098000	TRANS BF824
CT 5114	759551098200	TRANS BC847BPDW1T
CT 5140	759551098200	TRANS BC847BPDW1T
CT 5142	759551098300	TRANS BC847BDW1T1
CT 5150	759551098200	TRANS BC847BPDW1T
CT 5160	759551098200	TRANS BC847BPDW1T
CT 6260	759551097900	TRANS BC847BTT1
CT 6285	830172940300	SMD TRANS STN4NF03L SOT223
CT 9100	759551098200	TRANS BC847BPDW1T
CT 9101	759551098000	TRANS BF824
CT 9102	759551098300	TRANS BC847BDW1T1
CT 9103	759551098300	TRANS BC847BDW1T1
CT 9104	759551098000	TRANS BF824
CT 9200	759551098300	TRANS BC847BDW1T1
CT 9201	759551098300	TRANS BC847BDW1T1
CT 9203	759551097900	TRANS BC847BTT1
CT 9204	759551098300	TRANS BC847BDW1T1
CT 9206	759551098300	TRANS BC847BDW1T1
CT 9207	759551098300	TRANS BC847BDW1T1
CT 9300	759551098300	TRANS BC847BDW1T1
CT 9301	759551098300	TRANS BC847BDW1T1
CT 9302	759551097900	TRANS BC847BTT1
CT 9304	759551098300	TRANS BC847BDW1T1
CT 9306	759551098300	TRANS BC847BDW1T1
CT 9307	759551098300	TRANS BC847BDW1T1
CT 9308	759551098200	TRANS BC847BPDW1T
CT 9374	759551098000	TRANS BF824
F 1030	759551319300	36.125MHZ SIP-X6966D SAW FILTER
IC 3210	830536729700	IC TDA7297
IC 3230	759551308500	TDA 7376B IC
L 6104	759880601600	SPULE 1.1UH

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION
L 6110	759880601600	SPULE 1.1UH
L 6120	814052105800	SPEICHER-DR 59UH 2,5A EF16/
L 6130	759880601600	SPULE 1.1UH
L 6190	759551176100	SPULE 100 UH 6P
L 6192	759880601600	SPULE 1.1UH
L 6230	759880601600	SPULE 1.1UH
Q 1040	759550967300	QUARZ 20.25 MHZ HC49-U
Q 2160	759551220300	QUARZ 18.432 MHZ 30PPM 12PF
Q 9201	759551254800	QUARZ 28.322 MHZ HC49-U
Q 9600	759550967300	QUARZ 20.25 MHZ HC49-U
R 3080	759551176000	WIDERST. 0.27 OHM 5 W
SI 3080	⚠ 831562304300	SICHERUNG 4 A/T 250VAC UL 1
T 1020	759551308600	ENV57DE2G3F 27.5MM PANASONI

POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION

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ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

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FOR INTERNAL USE ONLY

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LP-CHASSISMODUL G2
CHASSISBOARD G2

MATERIAL-NR. / PART NO.: 275990186100

POS. NR. / POS. NO.	ABB. / FIG.	MATERIAL-NR. / PART NUMBER	ANZ. / QTY.	BEZEICHNUNG (D)	DESCRIPTION (GB)
		275990186100		LP-CHASSISMODUL G2	CHASSISBOARD G2

POS. NR. / POS. NO.	MATERIAL-NR. / PART NUMBER	BEZEICHNUNG / DESCRIPTION
BU 5	759551057900	KOPFHOERERBUCHSE YKB21-5103
BU 7	759550974700	SCARTBUCHSE DOPPELT
BUK KH	759551057900	KOPFHOERERBUCHSE YKB21-5103
CD 3018	759551098400	DIODE Z9.1V 1.5W
CD 3020	830953414900	MELF-DIODE LL 4148 TFK/ITT
CD 3062	830953414900	MELF-DIODE LL 4148 TFK/ITT
CD 6120	759551098600	DIODE STPS340U
CD 6162	759551098600	DIODE STPS340U
CD 6180	759551098600	DIODE STPS340U
CD 6182	830953414900	MELF-DIODE LL 4148 TFK/ITT
CD 6184	830953414900	MELF-DIODE LL 4148 TFK/ITT
CD 6185	759551308300	Z. 30V/0.5W DIODE-CHIP
CD 6196	830953414900	MELF-DIODE LL 4148 TFK/ITT
CD 9123	833050414800	MELF DIODE MCL4148
CD 9133	833050414800	MELF DIODE MCL4148
CD 9206	830931205400	SMD-DIODE BAT 54
CIC 1030	759551318800	KF33BD SOIC88 IC-CHIP
CIC 1040	759551307500	DRX3960A MQF44 IC-CHIP
CIC 2100	759551097600	IC MSP4411/D5
CIC 6110	759551242700	IC MP1593DN-LF-Z DC-DC
CIC 6140	759551242700	IC MP1593DN-LF-Z DC-DC
CIC 6170	759551242700	IC MP1593DN-LF-Z DC-DC
CIC 6210	759551308100	STM LM317MAD (DPAK) IC-CHIP
CIC 9001	759551307600	VGC5969B A4 BGA369-127 IC-C
CIC 9002	759551318900	FRC 9449-H BGA260-100 IC-CH
CIC 9201	759551307700	SIL9023 CTU TQFP144 IC-CHIP
CIC 9202	759550542200	SMD IC M24C08N SC2.7
CIC 9203	759550542200	SMD IC M24C08N SC2.7
CIC 9204	759550542200	SMD IC M24C08N SC2.7
CIC 9205	759551268000	IC-CHIP CM2021-00TR TSSOP
CIC 9300	720086707400	SW/IC AT24C64AN-10SU-2.7 SO
CIC 9400	759551319000	K4H561638H-ZCCC00 FBGA60 IC
CIC 9410	759551319100	LP2995M PSOP8 T&R IC-CHIP
CIC 9500	759551308200	K4H561638H-ZCB300 FBGA60 IC
CIC 9501	759551308200	K4H561638H-ZCB300 FBGA60 IC
CIC 9600	720086717600	SW/IC G2 S29GL128N10TFI020
CIC 9601	759551307800	74LVCH16373ADGG TSSOP48 IC-
CIC 9645	759551308000	MAX809STRG SOT23 T&R IC-CHI
CIC 9700	759551319100	LP2995M PSOP8 T&R IC-CHIP
CIC 9702	759551307900	STM LD29300P2M (P2PAK/A) IC
CIC 9703	759551307900	STM LD29300P2M (P2PAK/A) IC
CL 9307	759551099400	FILTER DLP31DN900ML4
CL 9308	759551099400	FILTER DLP31DN900ML4
CL 9309	759551099400	FILTER DLP31DN900ML4
CL 9312	759551099400	FILTER DLP31DN900ML4
CL 9313	759551099400	FILTER DLP31DN900ML4
CL 9314	759551099400	FILTER DLP31DN900ML4
CON9303	759550999000	STECKERLEISTE 10 POL.
CT 2056	759551098000	TRANS BF824
CT 2140	759551098000	TRANS BF824
CT 2150	759551098000	TRANS BF824
CT 2170	759551098000	TRANS BF824
CT 2180	759551098000	TRANS BF824
CT 3010	759551098200	TRANS BC847BPDW1T
CT 3070	759551098000	TRANS BF824
CT 5030	759551098200	TRANS BC847BPDW1T
CT 5110	759551098000	TRANS BF824
CT 5114	759551098200	TRANS BC847BPDW1T
CT 5140	759551098200	TRANS BC847BPDW1T
CT 5142	759551098300	TRANS BC847BDW1T1
CT 5150	759551098200	TRANS BC847BPDW1T
CT 5160	759551098200	TRANS BC847BPDW1T
CT 6140	759551098300	TRANS BC847BDW1T1
CT 6260	759551097900	TRANS BC847BTT1
CT 6285	830172940300	SMD TRANS STN4NF03L SOT223
CT 9100	759551098200	TRANS BC847BPDW1T
CT 9101	759551098000	TRANS BF824
CT 9102	759551098300	TRANS BC847BDW1T1
CT 9103	759551098300	TRANS BC847BDW1T1
CT 9104	759551098000	TRANS BF824
CT 9200	759551098300	TRANS BC847BDW1T1
CT 9201	759551098300	TRANS BC847BDW1T1
CT 9203	759551097900	TRANS BC847BTT1
CT 9204	759551098300	TRANS BC847BDW1T1
CT 9206	759551098300	TRANS BC847BDW1T1
CT 9207	759551098300	TRANS BC847BDW1T1
CT 9300	759551098300	TRANS BC847BDW1T1
CT 9301	759551098300	TRANS BC847BDW1T1
CT 9302	759551097900	TRANS BC847BTT1
CT 9304	759551098300	TRANS BC847BDW1T1
CT 9306	759551098300	TRANS BC847BDW1T1
CT 9307	759551098300	TRANS BC847BDW1T1
CT 9308	759551098200	TRANS BC847BPDW1T
CT 9374	759551098000	TRANS BF824
CT 9710	759551097900	TRANS BC847BTT1
CT 9720	759551098300	TRANS BC847BDW1T1

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

POS. NR. / POS. NO.	MATERIAL-NR. / PART NUMBER	BEZEICHNUNG / DESCRIPTION
F 1030	759551319300	36.125 MHZ SIP5-X6966D SAW-FILTER
IC 3210	830536729700	IC TDA7297
IC 3230	759551308500	TDA 7376B IC
L 6104	759880601600	SPULE 1.1UH
L 6110	759880601600	SPULE 1.1UH
L 6120	814052105800	SPEICHER-DR 59UH 2,5A EF16/
L 6130	759880601600	SPULE 1.1UH
L 6150	759551101800	SPULE 24 UH
L 6154	759880601600	SPULE 1.1UH
L 6190	759551176100	SPULE 100 UH 6P
L 6192	759880601600	SPULE 1.1UH
L 6230	759880601600	SPULE 1.1UH
Q 1040	759550967300	QUARZ 20.25 MHZ HC49-U
Q 2160	759551220300	QUARZ 18.432 MHZ 30PPM 12PF
Q 9201	759551254800	QUARZ 28.322 MHZ HC49-U
Q 9600	759550967300	QUARZ 20.25 MHZ HC49-U
Q 9648	759550967300	QUARZ 20.25 MHZ HC49-U
SI 3080	⚠ 831562304300	SICHERUNG 4 A/T 250VAC UL 1
T 1020	759551308600	ENV57DE2G3F 27.5MM PANASONI

Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Mat.-Nummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!

⚠ (!)

The regulations and safety instructions shall be valid as provided by the "Safety" Service Manual, part number 720108000001, as well as the respective national deviations.

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

GRUNDIG

Ersatzteilliste
Spare Parts List

NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLY

TV

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LP-CHASSISMODUL G2
CHASSISBOARD G2

MATERIAL-NR. / PART NO.: 275990187800

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG (D)	DESCRIPTION (GB)
		275990187800		LP-CHASSISMODUL G2	CHASSISBOARD G2

POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION
BU 5	759551057900	KOPFHOERERBUCHSE YKB21-5103
BU 7	759550974700	SCARTBUCHSE DOPPELT
BU K KH	759551057900	KOPFHOERERBUCHSE YKB21-5103
CD 3018	759551098400	DIODE Z9.1V 1.5W
CD 3020	830953414900	MELF-DIODE LL 4148 TFK/ITT
CD 3062	830953414900	MELF-DIODE LL 4148 TFK/ITT
CD 6120	759551098600	DIODE STPS340U
CD 6162	759551098600	DIODE STPS340U
CD 6180	759551098600	DIODE STPS340U
CD 6182	830953414900	MELF-DIODE LL 4148 TFK/ITT
CD 6184	830953414900	MELF-DIODE LL 4148 TFK/ITT
CD 6185	759551308300	Z. 30V/0.5W DIODE-CHIP
CD 6196	830953414900	MELF-DIODE LL 4148 TFK/ITT
CD 9123	833050414800	MELF DIODE MCL4148
CD 9133	833050414800	MELF DIODE MCL4148
CD 9206	830931205400	SMD-DIODE BAT 54
CIC 1030	759551318800	KF33BD SOIC88 IC-CHIP
CIC 1040	759551307500	DRX3960A MQF44 IC-CHIP
CIC 2100	759551097600	IC MSP4411/D5
CIC 6110	759551242700	IC MP1593DN-LF-Z DC-DC
CIC 6140	759551242700	IC MP1593DN-LF-Z DC-DC
CIC 6170	759551242700	IC MP1593DN-LF-Z DC-DC
CIC 6210	759551308100	STM LM317MAD (DPAK) IC-CHIP
CIC 9001	759551307600	VGC5969B A4 BGA369-127 IC-C
CIC 9002	759551318900	FRC 9449-H BGA260-100 IC-CH
CIC 9201	759551307700	SIL9023 CTU TQFP144 IC-CHIP
CIC 9202	720086717700	SW/IC G2 AT24C08AN-10SU-2.7
CIC 9203	720086717800	SW/IC G2 AT24C08AN-10SU-2.7
CIC 9204	720086717900	SW/IC G2 AT24C08AN-10SU-2.7
CIC 9205	759551268000	IC-CHIP CM2021-00TR TSSOP
CIC 9300	720086707400	SW/IC AT24C64AN-10SU-2.7 SO
CIC 9400	759551319000	K4H561638H-ZCCC00 FBGA60 IC
CIC 9410	759551319100	LP2995M PSOP8 T&R IC-CHIP
CIC 9500	759551308200	K4H561638H-ZCB300 FBGA60 IC
CIC 9501	759551308200	K4H561638H-ZCB300 FBGA60 IC
CIC 9600	720086722100	G2 S29GL128N10TFI020 SW/IC
CIC 9601	759551307800	74LVCH16373ADGG TSSOP48 IC-
CIC 9645	759551308000	MAX809STRG SOT23 T&R IC-CHI
CIC 9700	759551319200	STM LD39150-ADSJ IC-CHIP
CIC 9702	759551307900	STM LD29300P2M (P2PAK/A) IC
CIC 9703	759551307900	STM LD29300P2M (P2PAK/A) IC
CL 9307	759551099400	FILTER DLP31DN900ML4
CL 9308	759551099400	FILTER DLP31DN900ML4

POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION
CL 9309	759551099400	FILTER DLP31DN900ML4
CL 9312	759551099400	FILTER DLP31DN900ML4
CL 9313	759551099400	FILTER DLP31DN900ML4
CL 9314	759551099400	FILTER DLP31DN900ML4
CON9303	759550999000	STECKERLEISTE 10 POL.
CT 2056	759551098000	TRANS BF824
CT 2140	759551098000	TRANS BF824
CT 2150	759551098000	TRANS BF824
CT 2170	759551098000	TRANS BF824
CT 2180	759551098000	TRANS BF824
CT 3010	759551098200	TRANS BC847BPDW1T
CT 3070	759551098000	TRANS BF824
CT 5030	759551098200	TRANS BC847BPDW1T
CT 5110	759551098000	TRANS BF824
CT 5114	759551098200	TRANS BC847BPDW1T
CT 5140	759551098200	TRANS BC847BPDW1T
CT 5142	759551098300	TRANS BC847BDW1T1
CT 5150	759551098200	TRANS BC847BPDW1T
CT 5160	759551098200	TRANS BC847BPDW1T
CT 6140	759551098300	TRANS BC847BDW1T1
CT 6260	759551097900	TRANS BC847BTT1
CT 6285	830172940300	SMD TRANS STN4NF03L SOT223
CT 9100	759551098200	TRANS BC847BPDW1T
CT 9101	759551098000	TRANS BF824
CT 9102	759551098300	TRANS BC847BDW1T1
CT 9103	759551098300	TRANS BC847BDW1T1
CT 9104	759551098000	TRANS BF824
CT 9200	759551098300	TRANS BC847BDW1T1
CT 9201	759551098300	TRANS BC847BDW1T1
CT 9203	759551097900	TRANS BC847BTT1
CT 9204	759551098300	TRANS BC847BDW1T1
CT 9206	759551098300	TRANS BC847BDW1T1
CT 9207	759551098300	TRANS BC847BDW1T1
CT 9300	759551098300	TRANS BC847BDW1T1
CT 9301	759551098300	TRANS BC847BDW1T1
CT 9302	759551097900	TRANS BC847BTT1
CT 9304	759551098300	TRANS BC847BDW1T1
CT 9306	759551098300	TRANS BC847BDW1T1
CT 9307	759551098300	TRANS BC847BDW1T1
CT 9308	759551098200	TRANS BC847BPDW1T
CT 9374	759551098000	TRANS BF824
CT 9710	759551097900	TRANS BC847BTT1
CT 9720	759551098300	TRANS BC847BDW1T1

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION
F 1030	759551319300	36.125 MHZ SIP-X6966D SAW-F
IC 3210	830536729700	IC TDA7297
IC 3230	759551308500	TDA 7376B IC
L 6104	759880601600	SPULE 1.1UH
L 6110	759880601600	SPULE 1.1UH
L 6120	814052105800	SPEICHER-DR 59UH 2,5A EF16/
L 6130	759880601600	SPULE 1.1UH
L 6150	759551101800	SPULE 24 UH
L 6154	759880601600	SPULE 1.1UH
L 6190	759551176100	SPULE 100 UH 6P
L 6192	759880601600	SPULE 1.1UH
L 6230	759880601600	SPULE 1.1UH
Q 1040	759550967300	QUARZ 20.25 MHZ HC49-U
Q 2160	759551220300	QUARZ 18.432 MHZ 30PPM 12PF
Q 9201	759551254800	QUARZ 28.322 MHZ HC49-U
Q 9600	759550967300	QUARZ 20.25 MHZ HC49-U
Q 9648	759550967300	QUARZ 20.25 MHZ HC49-U
SI 3080	831562304300	SICHERUNG 4 A/T 250VAC UL 1
T 1020	759551308600	ENV57DE2G3F 27.5MM PANASONI

POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION

Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Mat.-Nummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!

The regulations and safety instructions shall be valid as provided by the "Safety" Service Manual, part number 720108000001, as well as the respective national deviations.

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

GRUNDIG

Ersatzteilliste
Spare Parts List

NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLY

TV

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LP-CHASSISMODUL G2
CHASSISBOARD G2

MATERIAL-NR. / PART NO.: 275990197400

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG (D)	DESCRIPTION (GB)
		275990197400		LP-CHASSISMODUL G2	CHASSISBAORD G2

POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION
BU 5	759551057900	KOPFHOERERBUCH.YKB21-5103
BU 7	759550974700	SCARTBUCHSE DOPPELT
BU_K _KH	759551057900	KOPFHOERERBUCH.YKB21-5103
CD 3018	759551098400	DIODE Z9.1V 1.5W
CD 3020	830953414900	MELF-DIODE LL 4148 TFK/ITT
CD 3062	830953414900	MELF-DIODE LL 4148 TFK/ITT
CD 6120	759551098600	DIODE STPS340U
CD 6180	759551098600	DIODE STPS340U
CD 6182	830953414900	MELF-DIODE LL 4148 TFK/ITT
CD 6184	830953414900	MELF-DIODE LL 4148 TFK/ITT
CD 6185	759551308300	Z. 30V/0.5W DIODE-CHIP
CD 6196	830953414900	MELF-DIODE LL 4148 TFK/ITT
CD 9123	833050414800	MELF DIODE MCL4148
CD 9133	833050414800	MELF DIODE MCL4148
CIC 1030	759551318800	KF33BD SOIC88 IC-CHIP
CIC 1040	759551307500	DRX3960A MQF44 IC-CHIP
CIC 2100	759551097600	MSP4411/D5 IC
CIC 6110	759551242700	IC MP1593DN-LF-Z DC-DC
CIC 6170	759551242700	IC MP1593DN-LF-Z DC-DC
CIC 6210	759551308100	STM LM317MAD (DPAK) IC-CHIP
CIC 9001	759551307600	VGC5969B A4 BGA369-127 IC-C
CIC 9201	759551307700	SIL9023 CTU TQFP144 IC-CHIP
CIC 9202	720086717700	SW/IC G2 AT24C08AN-10SU-2.7
CIC 9203	720086717800	SW/IC G2 AT24C08AN-10SU-2.7
CIC 9204	720086717900	SW/IC G2 AT24C08AN-10SU-2.7
CIC 9205	759551268000	IC-CHIP CM2021-00TR TSSOP
CIC 9300	720086707400	SW/IC AT24C64AN-10SU-2.7 SO
CIC 9500	759551308200	K4H561638H-ZCB300 FBGA60 IC
CIC 9501	759551308200	K4H561638H-ZCB300 FBGA60 IC
CIC 9600	720086717600	SW/IC G2 S29GL128N10TFI020
CIC 9601	759551307800	74LVCH16373ADGG TSSOP48 IC-
CIC 9645	759551308000	MAX809STRG SOT23 T&R IC-CHI
CIC 9702	759551307900	STM LD29300P2M (P2PAK/A) IC
CIC 9703	759551307900	STM LD29300P2M (P2PAK/A) IC
CL 9307	759551099400	FILTER DLP31DN900ML4
CL 9308	759551099400	FILTER DLP31DN900ML4
CL 9309	759551099400	FILTER DLP31DN900ML4
CL 9312	759551099400	FILTER DLP31DN900ML4
CL 9313	759551099400	FILTER DLP31DN900ML4
CL 9314	759551099400	FILTER DLP31DN900ML4
CON9303	759550999000	STECKERLEISTE 10 POL.

POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION
CT 2056	759551098000	TRANS BF824
CT 2140	759551098000	TRANS BF824
CT 2150	759551098000	TRANS BF824
CT 2170	759551098000	TRANS BF824
CT 2180	759551098000	TRANS BF824
CT 3010	759551098200	TRANS BC847BPDW1T
CT 3070	759551098000	TRANS BF824
CT 5030	759551098200	TRANS BC847BPDW1T
CT 5110	759551098000	TRANS BF824
CT 5114	759551098200	TRANS BC847BPDW1T
CT 5140	759551098200	TRANS BC847BPDW1T
CT 5142	759551098300	TRANS BC847BDW1T1
CT 5150	759551098200	TRANS BC847BPDW1T
CT 5160	759551098200	TRANS BC847BPDW1T
CT 6260	759551097900	TRANS BC847BTT1
CT 6285	830172940300	SMD TRANS STN4NF03L SOT223
CT 9100	759551098200	TRANS BC847BPDW1T
CT 9101	759551098000	TRANS BF824
CT 9102	759551098300	TRANS BC847BDW1T1
CT 9103	759551098300	TRANS BC847BDW1T1
CT 9104	759551098000	TRANS BF824
CT 9200	759551098300	TRANS BC847BDW1T1
CT 9201	759551098300	TRANS BC847BDW1T1
CT 9203	759551097900	TRANS BC847BTT1
CT 9204	759551098300	TRANS BC847BDW1T1
CT 9206	759551098300	TRANS BC847BDW1T1
CT 9207	759551098300	TRANS BC847BDW1T1
CT 9300	759551098300	TRANS BC847BDW1T1
CT 9301	759551098300	TRANS BC847BDW1T1
CT 9302	759551097900	TRANS BC847BTT1
CT 9304	759551098300	TRANS BC847BDW1T1
CT 9306	759551098300	TRANS BC847BDW1T1
CT 9307	759551098300	TRANS BC847BDW1T1
CT 9308	759551098200	TRANS BC847BPDW1T
CT 9374	759551098000	TRANS BF824
F 1030	759551319300	36.125 MHZ SIP-X6966D SAW-F
IC 3210	830536729700	IC TDA7297
IC 3230	759551308500	TDA 7376B IC
L 6104	759880601600	SPULE 1.1UH
L 6110	759880601600	SPULE 1.1UH
L 6120	814052105800	SPEICHER-DR 59UH 2,5A EF16/
L 6130	759880601600	SPULE 1.1UH
L 6190	759551176100	SPULE 100 UH 6P

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION
L 6192	759880601600	SPULE 1.1UH
L 6230	759880601600	SPULE 1.1UH
Q 1040	759550967300	QUARZ 20.25 MHZ HC49-U
Q 2160	759551220300	QUARZ 18.432 MHZ 30PPM 12PF
Q 9201	759551254800	QUARZ 28.322 MHZ HC49-U
Q 9600	759550967300	QUARZ 20.25 MHZ HC49-U
SI 3080	⚠ 831562304300	SICHERUNG 4 A/T 250VAC UL 1
T 1020	759551308600	ENV57DE2G3F 27.5MM PANASONI

POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION

Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Mat.-Nummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!

⚠ (!)

The regulations and safety instructions shall be valid as provided by the "Safety" Service Manual, part number 720108000001, as well as the respective national deviations.

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

GRUNDIG

Ersatzteilliste
Spare Parts List

NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLY

TV

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LP-CHASSISMODUL G2
CHASSISBOARD G2

MATERIAL-NR. / PART NO.: 275990197500

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG (D)	DESCRIPTION (GB)
		275990197500		LP-CHASSISMODUL G2	CHASSISBAORD G2

POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION
BU 5	759551057900	KOPFHOERERBUCH.YKB21-5103
BU 7	759550974700	SCARTBUCHSE DOPPELT
BU_K_KH	759551057900	KOPFHOERERBUCH.YKB21-5103
CD 3018	759551098400	DIODE Z9.1V 1.5W
CD 3020	830953414900	MELF-DIODE LL 4148 TFK/ITT
CD 3062	830953414900	MELF-DIODE LL 4148 TFK/ITT
CD 6120	759551098600	DIODE STPS340U
CD 6162	759551098600	DIODE STPS340U
CD 6180	759551098600	DIODE STPS340U
CD 6182	830953414900	MELF-DIODE LL 4148 TFK/ITT
CD 6184	830953414900	MELF-DIODE LL 4148 TFK/ITT
CD 6185	759551308300	Z. 30V/0.5W DIODE-CHIP
CD 6196	830953414900	MELF-DIODE LL 4148 TFK/ITT
CD 9123	833050414800	MELF DIODE MCL4148
CD 9133	833050414800	MELF DIODE MCL4148
CIC 1030	759551318800	KF33BD SOIC88 IC-CHIP
CIC 1040	759551307500	DRX3960A MQF44 IC-CHIP
CIC 2100	759551097600	MSP4411/D5 IC
CIC 6110	759551242700	IC MP1593DN-LF-Z DC-DC
CIC 6140	759551242700	IC MP1593DN-LF-Z DC-DC
CIC 6170	759551242700	IC MP1593DN-LF-Z DC-DC
CIC 6210	759551308100	STM LM317MAD (DPAK) IC-CHIP
CIC 9001	759551307600	VGC5969B A4 BGA369-127 IC-C
CIC 9002	759551318900	FRC 9449-H BGA260-100 IC-CH
CIC 9201	759551307700	SIL9023 CTU TQFP144 IC-CHIP
CIC 9202	720086717700	SW/IC G2 AT24C08AN-10SU-2.7
CIC 9203	720086717800	SW/IC G2 AT24C08AN-10SU-2.7
CIC 9204	720086717900	SW/IC G2 AT24C08AN-10SU-2.7
CIC 9205	759551268000	IC-CHIP CM2021-00TR TSSOP
CIC 9300	720086707400	SW/IC AT24C64AN-10SU-2.7 SO
CIC 9400	759551319000	K4H561638H-ZCCC00 FBGA60 IC
CIC 9410	759551319100	LP2995M PSOP8 T&R IC-CHIP
CIC 9500	759551308200	K4H561638H-ZCB300 FBGA60 IC
CIC 9501	759551308200	K4H561638H-ZCB300 FBGA60 IC
CIC 9600	720086717600	SW/IC G2 S29GL128N10TFI020
CIC 9601	759551307800	74LVCH16373ADGG TSSOP48 IC-
CIC 9645	759551308000	MAX809STRG SOT23 T&R IC-CHI
CIC 9700	759551319200	STM LD39150-ADSJ IC-CHIP
CIC 9702	759551307900	STM LD29300P2M (P2PAK/A) IC
CIC 9703	759551307900	STM LD29300P2M (P2PAK/A) IC
CL 9307	759551099400	FILTER DLP31DN900ML4
CL 9308	759551099400	FILTER DLP31DN900ML4
CL 9309	759551099400	FILTER DLP31DN900ML4

POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION
CL 9312	759551099400	FILTER DLP31DN900ML4
CL 9313	759551099400	FILTER DLP31DN900ML4
CL 9314	759551099400	FILTER DLP31DN900ML4
CON9303	759550999000	STECKERLEISTE 10 POL.
CT 2056	759551098000	TRANS BF824
CT 2140	759551098000	TRANS BF824
CT 2150	759551098000	TRANS BF824
CT 2170	759551098000	TRANS BF824
CT 2180	759551098000	TRANS BF824
CT 3010	759551098200	TRANS BC847BPDW1T
CT 3070	759551098000	TRANS BF824
CT 5030	759551098200	TRANS BC847BPDW1T
CT 5110	759551098000	TRANS BF824
CT 5114	759551098200	TRANS BC847BPDW1T
CT 5140	759551098200	TRANS BC847BPDW1T
CT 5142	759551098300	TRANS BC847BDW1T1
CT 5150	759551098200	TRANS BC847BPDW1T
CT 5160	759551098200	TRANS BC847BPDW1T
CT 6140	759551098300	TRANS BC847BDW1T1
CT 6260	759551097900	TRANS BC847BTT1
CT 6285	830172940300	SMD TRANS STN4NF03L SOT223
CT 9100	759551098200	TRANS BC847BPDW1T
CT 9101	759551098000	TRANS BF824
CT 9102	759551098300	TRANS BC847BDW1T1
CT 9103	759551098300	TRANS BC847BDW1T1
CT 9104	759551098000	TRANS BF824
CT 9200	759551098300	TRANS BC847BDW1T1
CT 9201	759551098300	TRANS BC847BDW1T1
CT 9203	759551097900	TRANS BC847BTT1
CT 9204	759551098300	TRANS BC847BDW1T1
CT 9206	759551098300	TRANS BC847BDW1T1
CT 9207	759551098300	TRANS BC847BDW1T1
CT 9300	759551098300	TRANS BC847BDW1T1
CT 9301	759551098300	TRANS BC847BDW1T1
CT 9302	759551097900	TRANS BC847BTT1
CT 9304	759551098300	TRANS BC847BDW1T1
CT 9306	759551098300	TRANS BC847BDW1T1
CT 9307	759551098300	TRANS BC847BDW1T1
CT 9308	759551098200	TRANS BC847BPDW1T
CT 9374	759551098000	TRANS BF824
CT 9720	759551098300	TRANS BC847BDW1T1
F 1030	759551319300	36.125 MHZ SIP-X6966D SAW-F

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

POS. NR. POS. NO.		MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION
IC 3210		830536729700	IC TDA7297
IC 3230		759551308500	TDA 7376B IC
L 6104		759880601600	SPULE 1.1UH
L 6110		759880601600	SPULE 1.1UH
L 6120		814052105800	SPEICHER-DR 59UH 2,5A EF16/
L 6130		759880601600	SPULE 1.1UH
L 6150		759551101800	SPULE 24 UH
L 6154		759880601600	SPULE 1.1UH
L 6190		759551176100	SPULE 100 UH 6P
L 6192		759880601600	SPULE 1.1UH
L 6230		759880601600	SPULE 1.1UH
Q 1040		759550967300	QUARZ 20.25 MHZ HC49-U
Q 2160		759551220300	QUARZ 18.432 MHZ 30PPM 12PF
Q 9201		759551254800	QUARZ 28.322 MHZ HC49-U
Q 9600		759550967300	QUARZ 20.25 MHZ HC49-U
Q 9648		759550967300	QUARZ 20.25 MHZ HC49-U
SI 3080	⚠	831562304300	SICHERUNG 4 A/T 250VAC UL 1
T 1020		759551308600	ENV57DE2G3F 27.5MM PANASONI

POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION

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⚠ (!)

The regulations and safety instructions shall be valid as provided by the "Safety" Service Manual, part number 720108000001, as well as the respective national deviations.

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

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Ersatzteilliste
Spare Parts List

NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLY

TV

5 / 2007

LP-NETZTEILMODUL PSU3 G2 EMI 24/11 12/5 400W
POWER SUPPLY PSU3 G2 EMI 24/11 12/5 400W

MATERIAL-NR. / PART NO.: 275990300700

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG (D)	DESCRIPTION (GB)
	⚠	275990300700		LP-NETZTEILM PSU3 G2 EMI 24/11 12/5 400W	POWER SUPPLY PSU3 G2 EMI 24/11

POS. NR. POS. NO.		MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION
C 1058	⚠	759551338300	1 NF M 250VAC Y5U R:10 KOND
C 1061	⚠	759551338200	470 NF K 305V-AC R:15 KONDE
C 1062	⚠	759551338200	470 NF K 305V-AC R:15 KONDE
D 1001		759551259100	BRUECKENDIODE 8A 600V KBU8J
D 1003		759551253600	DIODE RHRP1560 TO-220AC
D 1005		759551252400	DIODE MUR160 1A 600V
D 1006		759551252400	DIODE MUR160 1A 600V
D 1007		759551327400	MBRP3010N SCHT.30A 100V TO-
D 1025		759551252400	DIODE MUR160 1A 600V
D 1026		759551252400	DIODE MUR160 1A 600V
D 1027		830953414900	MELF-DIODE LL 4148 TFK/ITT
FS 1001	⚠	831562304300	SICHERUNG 4 A/T 250VAC UL 1
IC 1001		759551253800	IC CHIP MC33262-SO-8
IC 1002		759551254200	IC FSDM0265RN
IC 1004	⚠	759551253200	IC OPTOKOPPLER H11A817C
IC 1005		759551309200	TLV431BLPRAG TO-92-3 IC
IC 1009	⚠	759551253200	IC OPTOKOPPLER H11A817C
L 1011	⚠	759551338400	15 UH K SPULE
L 1012	⚠	759551338400	15 UH K SPULE
LF 1003	⚠	759551199200	FILTER 4 MH 4.5 A
LF 1004	⚠	759551309000	2X28MH 3A LINE FILTER
R 1001	⚠	759550933500	WIDERST. 1M 0.5W
R 1002	⚠	759551308900	NTC SCK150R78AMSY 0R78A
R 1084	⚠	759551308900	NTC SCK150R78AMSY 0R78A
T 1001		759551258900	TRANS. 2SK3936 500V 0.2R 23
T 1006		830100484800	SMD TRANS BC848B/ BC847B P
T 1007		830100484800	SMD TRANS BC848B/ BC847B P
T 1015		830100685700	SMD-TRANS.BC 857 C
TR 1001	⚠	759551259200	SPULE AKTIV PFC 300W 2742.0
TR 1002	⚠	759551338500	SMPS G2 STAND-BY 20W 2362.0
VR 1004	⚠	759551252600	VAR. WALSIN SR471K10DS

POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION
ZD 1008	759551309100	1N4748 22V Z-DIODE
ZD 1009	759551309100	1N4748 22V Z-DIODE
ZD 1010	759551098400	DIODE Z9.1V 1.5W
ZD 1011	759551244700	Z-DIODE 1N4746 18V
ZD 1012	759551309300	BZT55B8V2 Z-DIODE

Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Mat.-Nummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!

⚠ (!)

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ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

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Ersatzteilliste
Spare Parts List

NUR FÜR INTERNEN GEBRAUCH
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TV

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LP-NETZTEILMODUL PSU3 24/11 12/5 3P 400W
POWER SUPPLY PSU3 24/11 12/5 3P 400W

MATERIAL-NR. / PART NO.: 275990301000

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG (D)	DESCRIPTION (GB)
	⚠	275990301000		LP-NETZTEILMOD.PSU3 24/11 12/5 3P 400W	POWER SUPPLY PSU3 24/11 12/5 3P 400W

POS. NR. POS. NO.		MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION
C 1001	⚠	759551338200	470 NF K 305V-AC R:15 KONDE
C 1058	⚠	759551338300	1 NF M 250VAC Y5U R:10 KOND
C 1061	⚠	759551338200	470 NF K 305V-AC R:15 KONDE
C 1062	⚠	759551338200	470 NF K 305V-AC R:15 KONDE
D 1001		759551259100	BRUECKENDIODE 8A 600V KBU8J
D 1003		759551253600	DIODE RHRP1560 TO-220AC
D 1005		759551252400	DIODE MUR160 1A 600V
D 1006		759551252400	DIODE MUR160 1A 600V
D 1007		830919420300	DIODE STTH2003CT TO220AB S
D 1025		759551252400	DIODE MUR160 1A 600V
D 1026		759551252400	DIODE MUR160 1A 600V
D 1027		830953414900	MELF-DIODE LL 4148 TFK/ITT
FS 1001	⚠	831562304300	SICHERUNG 4 A/T 250VAC UL 1
IC 1001		759551253800	IC CHIP MC33262-SO-8
IC 1002		759551254200	IC FSDM0265RN
IC 1004	⚠	759551253200	IC OPTOKOPPLER H11A817C
IC 1005		759551309200	TLV431BLPRAG TO-92-3 IC
IC 1009	⚠	759551253200	IC OPTOKOPPLER H11A817C
LF 1003	⚠	759551199200	FILTER 4 MH 4.5 A
LF 1004	⚠	759551309000	2X28MH 3A LINE FILTER
R 1001	⚠	759550933500	WIDERST. 1M 0.5W
R 1002	⚠	759551308900	NTC SCK150R78AMSY 0R78A
R 1084	⚠	759551308900	NTC SCK150R78AMSY 0R78A
T 1001		759551258900	TRANS. 2SK3936 500V 0.2R 23
T 1006		759551098700	TRANS BC848BLT1G
T 1007		759551098700	TRANS BC848BLT1G
T 1015		830100685700	SMD-TRANS.BC 857 C
TR 1001	⚠	759551259200	SPULE AKTIV PFC 300W 2742.0
TR 1002	⚠	759551338500	SMPS G2 STAND-BY 20W 2362.0
VR 1004	⚠	759551252600	VAR. WALSIN SR471K10DS

POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION
ZD 1008	759551309100	1N4748 22V Z-DIODE
ZD 1009	759551309100	1N4748 22V Z-DIODE
ZD 1010	759551098400	DIODE Z9.1V 1.5W
ZD 1011	759551244700	Z-DIODE 1N4746 18V
ZD 1012	759551309300	BZT55B8V2 Z-DIODE

Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Mat.-Nummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!

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ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

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LP-NETZTEILMODUL SMPS 24/11 12/5 3P 400W
POWER SUPPLY SMPS 24/11 12/5 3P 400W

MATERIAL-NR. / PART NO.: 275990301800

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG (D)	DESCRIPTION (GB)
	⚠	275990301800		LP-NETZTEILMODUL SMPS 24/11 12/5 3P	POWER SUPPLY SMPS 24/11 12/5 3P 400W

POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION
D 1008	833021514800	1N4148 MELF DIODE
D 1009	759551252400	DIODE MUR160 1A 600V
D 1010	759551252400	DIODE MUR160 1A 600V
D 1012	759551353900	DIODE STPS20170CT 2X10A 170V
D 1013	759551353900	DIODE STPS20170CT 2X10A 170V
D 1015	759551353900	DIODE STPS20170CT 2X10A 170V
D 1017	759551353900	DIODE STPS20170CT 2X10A 170V
D 1019	830953414900	MELF-DIODE LL 4148 TFK/ITT
D 1020	830953414900	MELF-DIODE LL 4148 TFK/ITT
D 1021	830953414900	MELF-DIODE LL 4148 TFK/ITT
D 1022	830953414900	MELF-DIODE LL 4148 TFK/ITT
D 1024	830953414900	MELF-DIODE LL 4148 TFK/ITT
IC 1003	759551253900	IC CHIP NCP1212DR2 SO-8
IC 1006 ⚠	759551253200	IC OPTOKOPPLER H11A817C
IC 1007	830544043100	IC TL431CLPRP MOT AV330 ER-
IC 1008 ⚠	759551253200	IC OPTOKOPPLER H11A817C
R 1050 ⚠	759550452600	WIDERST 4,7MOHM1/2W
T 1002	830221001800	BD135-16 VAL TRANSISTOR
T 1003	759551253300	TRANS. BD136
T 1004	759551258900	TRANS. 2SK3936 500V 0.2R 23
T 1005	759551258900	TRANS. 2SK3936 500V 0.2R 23
T 1009	830100484800	SMD TRANS BC848B/ BC847B P
T 1010	830100685700	SMD-TRANS.BC 857 C
T 1011	830100685700	SMD-TRANS.BC 857 C
T 1014	759880944900	TYRISTOR MCR 22-8
TR 1003 ⚠	759551252900	TRAFO L6
ZD 1001	759551244700	Z-DIODE 1N4746 18V
ZD 1002	759551244700	Z-DIODE 1N4746 18V
ZD 1003	759551309400	BZX55C3V3 Z-DIODE
ZD 1005	759551309500	1N4749A 24V Z-DIODE
ZD 1007	759550923400	BZX55C9V1 DIODE

POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION

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⚠ (!)

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ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

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NUR FÜR INTERNEN GEBRAUCH
FOR INTERNAL USE ONLY

TV

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LP-NETZTEILMODUL SMPS 24/11 12/5 3P 400W
POWER SUPPLY SMPS 24/11 12/5 3P 400W

MATERIAL-NR. / PART NO.: 275990302400

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG (D)	DESCRIPTION (GB)
	⚠	275990302400		LP-NETZTEILM. SMPS 24/11 12/5 3P 400W	POWER SUPPLY PSU3 24/11 12/5 3P 400W

POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION
D 1008	833021514800	1N4148 MELF DIODE
D 1009	759551252400	DIODE MUR160 1A 600V
D 1010	759551252400	DIODE MUR160 1A 600V
D 1012	759551353900	DIODE STPS20170CT SCHOTTKY
D 1013	759551353900	DIODE STPS20170CT SCHOTTKY
D 1015	759551353900	DIODE STPS20170CT SCHOTTKY
D 1017	759551353900	DIODE STPS20170CT SCHOTTKY
D 1019	830953414900	MELF-DIODE LL 4148 TFK/ITT
D 1020	830953414900	MELF-DIODE LL 4148 TFK/ITT
D 1021	830953414900	MELF-DIODE LL 4148 TFK/ITT
D 1022	830953414900	MELF-DIODE LL 4148 TFK/ITT
D 1024	830953414900	MELF-DIODE LL 4148 TFK/ITT
IC 1003	759551253900	IC CHIP NCP1212DR2 SO-8
IC 1006 ⚠	759551253200	IC OPTOKOPPLER H11A817C
IC 1007	830544043100	IC TL431CLPRP MOT AV330 ER-
IC 1008 ⚠	759551253200	IC OPTOKOPPLER H11A817C
R 1050 ⚠	759550452600	WIDERST 4,7MOHM1/2W
T 1002	830221001800	BD135-16 VAL TRANSISTOR
T 1003	759551253300	TRANS. BD136
T 1004	759551258900	TRANS. 2SK3936 500V 0.2R 23
T 1005	759551258900	TRANS. 2SK3936 500V 0.2R 23
T 1009	830100484800	SMD TRANS BC848B/ BC847B P
T 1010	830100685700	SMD-TRANS.BC 857 C
T 1011	830100685700	SMD-TRANS.BC 857 C
T 1014	759880944900	TYRISTOR MCR 22-8
TR 1003 ⚠	759551252900	TRAFO L6
ZD 1001	759551244700	Z-DIODE 1N4746 18V
ZD 1002	759551244700	Z-DIODE 1N4746 18V
ZD 1003	759551309400	BZX55C3V3 Z-DIODE
ZD 1005	759551309500	1N4749A 24V Z-DIODE
ZD 1007	759550923400	BZX55C9V1 DIODE

POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION

Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Mat.-Nummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!

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ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION